



---

# INTRODUCTION TO INTEGRATED MATHEMATICS III

---

Summer Assignment



**WRITE ANSWERS ON PAPER AND BUBBLE LETTER CHOICES ON ANSWER SHEET**

NAME

---

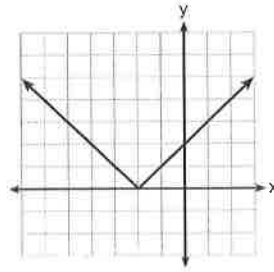
# Introduction to Integrated Mathematics III Summer Assignment

## Multiple Choice

Identify the choice that best completes the statement or answers the question.

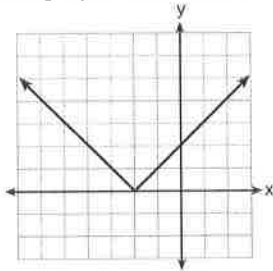
- \_\_\_\_\_ 1. Which expression is equivalent to  $64 - x^2$ ?
- $(8 - x)(8 - x)$
  - $(8 - x)(8 + x)$
  - $(x - 8)(x - 8)$
  - $(x - 8)(x + 8)$
- \_\_\_\_\_ 2. Mr. Smith invested \$2,500 in a savings account that earns 3% interest compounded annually. He made no additional deposits or withdrawals. Which expression can be used to determine the number of dollars in this account at the end of 4 years?
- $2500(1 + 0.03)^4$
  - $2500(1 + 0.3)^4$
  - $2500(1 + 0.04)^3$
  - $2500(1 + 0.4)^3$
- \_\_\_\_\_ 3. What is  $2\sqrt{45}$  expressed in simplest radical form?
- $3\sqrt{5}$
  - $5\sqrt{5}$
  - $6\sqrt{5}$
  - $18\sqrt{5}$
- \_\_\_\_\_ 4. Which graph does *not* represent a function?
- - 
  - 
  -
- \_\_\_\_\_ 5. Timmy bought a skateboard and two helmets for a total of  $d$  dollars. If each helmet cost  $h$  dollars, the cost of the skateboard could be represented by
- $2dh$
  - $\frac{dh}{2}$
  - $d - 2h$
  - $d - \frac{h}{2}$

6. The graph of  $y = |x + 2|$  is shown below.

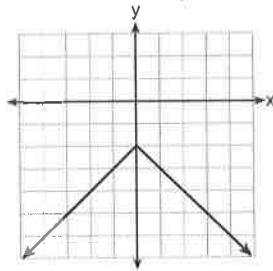


Which graph represents  $y = -|x + 2|$ ?

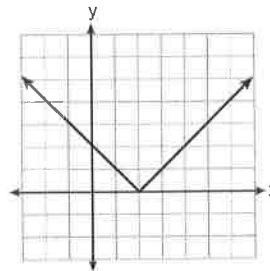
a.



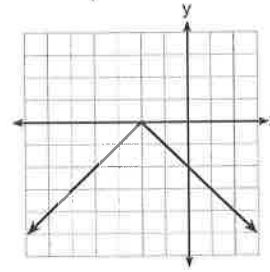
b.



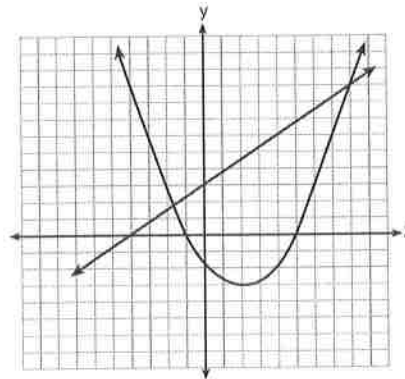
c.



d.



7. Two equations were graphed on the set of axes below.



Which point is a solution of the system of equations shown on the graph?

a. (8, 9)

c. (0, 3)

b. (5, 0)

d. (2, -3)

8. Byron is 3 years older than Doug. The product of their ages is 40. How old is Doug?

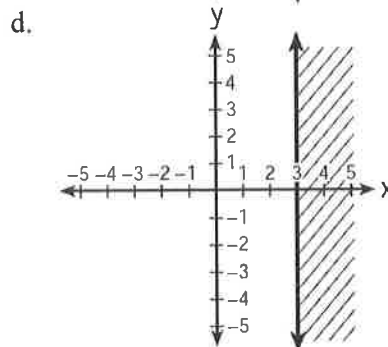
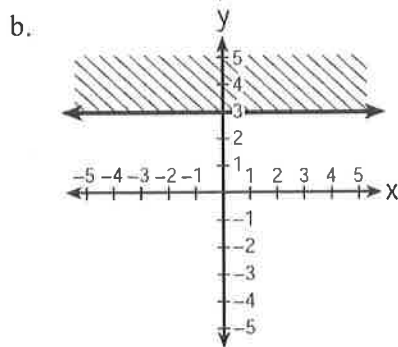
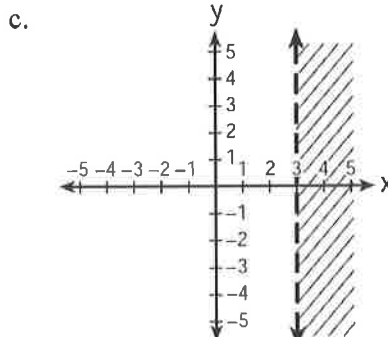
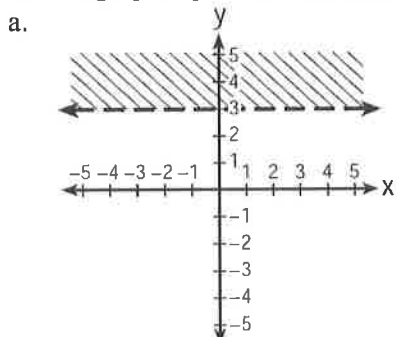
a. 10

c. 5

b. 8

d. 4

9. Which graph represents the inequality  $y > 3$ ?



10. Three fair coins are tossed. What is the probability that two heads and one tail appear?

- a.  $\frac{1}{8}$   
b.  $\frac{3}{8}$

- c.  $\frac{3}{6}$   
d.  $\frac{2}{3}$

11. What is the sum of  $-3x^2 - 7x + 9$  and  $-5x^2 + 6x - 4$ ?

- a.  $-8x^2 - x + 5$   
b.  $-8x^4 - x + 5$

- c.  $-8x^2 - 13x + 13$   
d.  $-8x^4 - 13x^2 + 13$

12. For which values of  $x$  is the fraction  $\frac{x^2 + x - 6}{x^2 + 5x - 6}$  undefined?

- a. 1 and  $-6$   
b. 2 and  $-3$

- c. 3 and  $-2$   
d. 6 and  $-1$

13. What is the slope of the line that passes through the points  $(2, -3)$  and  $(5, 1)$ ?

- a.  $-\frac{2}{3}$   
b.  $\frac{2}{3}$

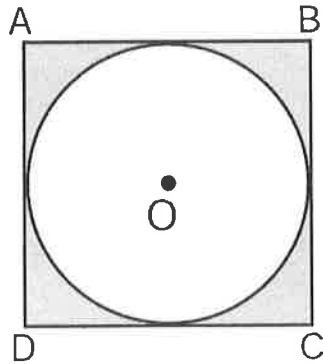
- c.  $-\frac{4}{3}$   
d.  $\frac{4}{3}$

14. The expression  $\frac{(4x^3)^2}{2x}$  is equivalent to

- a.  $4x^4$   
b.  $4x^5$

- c.  $8x^4$   
d.  $8x^5$

15. In the diagram below, circle  $O$  is inscribed in square  $ABCD$ . The square has an area of 36.



What is the area of the circle?

- a. 9?
- b. 6?
- c. 3?
- d. 36?

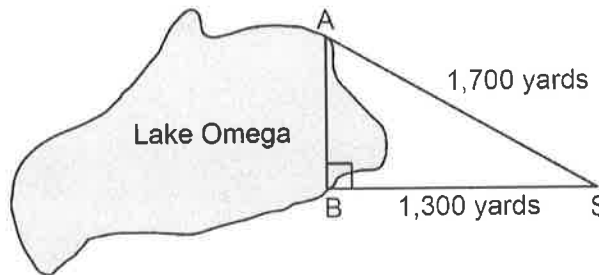
16. Which point lies on the graph represented by the equation  $3y + 2x = 8$ ?

- a.  $(-2, 7)$
- b.  $(0, 4)$
- c.  $(2, 4)$
- d.  $(7, -2)$

17. The equation of the axis of symmetry of the graph of  $y = 2x^2 - 3x + 7$  is

- a.  $x = \frac{3}{4}$
- b.  $y = \frac{3}{4}$
- c.  $x = \frac{3}{2}$
- d.  $y = \frac{3}{2}$

18. Campsite  $A$  and campsite  $B$  are located directly opposite each other on the shores of Lake Omega, as shown in the diagram below. The two campsites form a right triangle with Sam's position,  $S$ . The distance from campsite  $B$  to Sam's position is 1,300 yards, and campsite  $A$  is 1,700 yards from his position.



What is the distance from campsite  $A$  to campsite  $B$ , to the nearest yard?

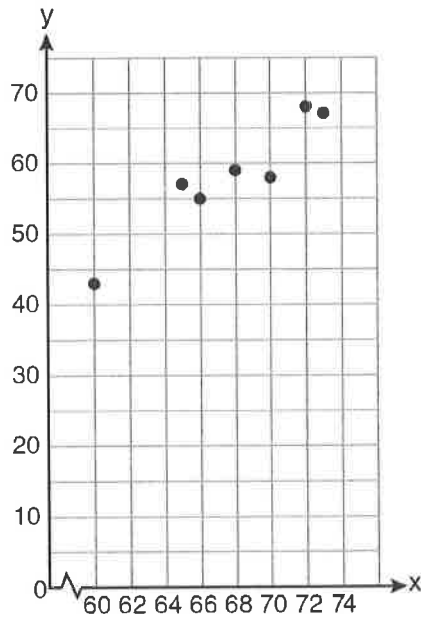
- a. 1,095
- b. 1,096
- c. 2,140
- d. 2,141

19. The roots of the equation  $3x^2 - 27x = 0$  are

- a. 0 and 9
- b. 0 and -9
- c. 0 and 3
- d. 0 and -3

- \_\_\_\_\_ 20. Which equation is an example of the use of the associative property of addition?
- a.  $x + 7 = 7 + x$
  - b.  $3(x + y) = 3x + 3y$
  - c.  $(x + y) + 3 = x + (y + 3)$
  - d.  $3 + (x + y) = (x + y) + 3$
- \_\_\_\_\_ 21. If  $s = \frac{2x + t}{r}$ , then  $x$  equals
- a.  $\frac{rs - t}{2}$
  - b.  $\frac{rs + 1}{2}$
  - c.  $2rs - t$
  - d.  $rs - 2t$
- \_\_\_\_\_ 22. What is the sum of  $\frac{2y}{y + 5}$  and  $\frac{10}{y + 5}$  expressed in simplest form?
- a. 1
  - b. 2
  - c.  $\frac{12y}{y + 5}$
  - d.  $\frac{2y + 10}{y + 5}$
- \_\_\_\_\_ 23. The quotient of  $\frac{8x^5 - 2x^4 + 4x^3 - 6x^2}{2x^2}$  is
- a.  $16x^7 - 4x^6 + 8x^5 - 12x^4$
  - b.  $4x^7 - x^6 + 2x^5 - 3x^4$
  - c.  $4x^3 - x^2 + 2x - 3x$
  - d.  $4x^3 - x^2 + 2x - 3$
- \_\_\_\_\_ 24. Marcy determined that her father's age is four less than three times her age. If  $x$  represents Marcy's age, which expression represents her father's age?
- a.  $3x - 4$
  - b.  $3(x - 4)$
  - c.  $4x - 3$
  - d.  $4 - 3x$

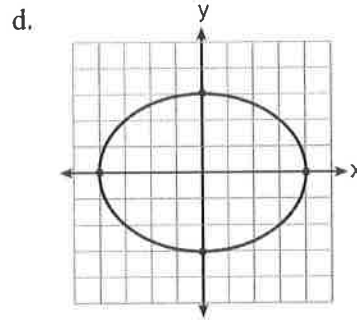
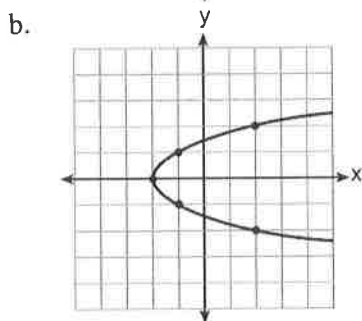
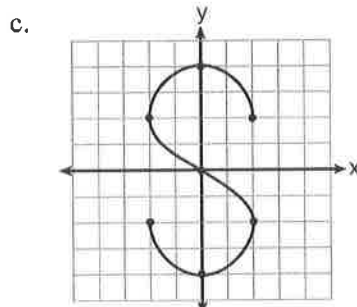
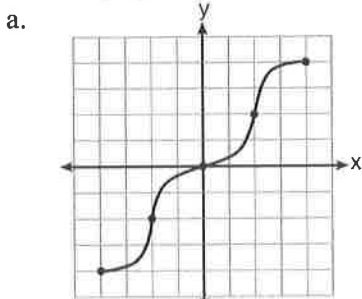
25. A set of data is graphed on the scatter plot below.



This scatter plot shows

- a. no correlation
- b. positive correlation
- c. negative correlation
- d. undefined correlation

26. Which graph represents a function?



27. What is the product of  $(3x + 2)$  and  $(x - 7)$ ?

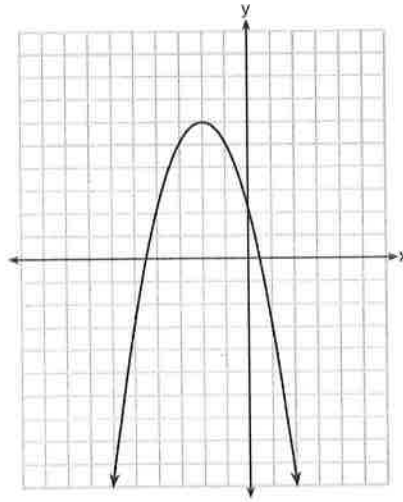
- a.  $3x^2 - 14$
- b.  $3x^2 - 5x - 14$
- c.  $3x^2 - 19x - 14$
- d.  $3x^2 - 23x - 14$

28. The line represented by the equation  $2y - 3x = 4$  has a slope of
- $-\frac{3}{2}$
  - 2
  - 3
  - $\frac{3}{2}$
29. What is the solution set of the system of equations  $x + y = 5$  and  $y = x^2 - 25$ ?
- $\{(0, 5), (11, -6)\}$
  - $\{(5, 0), (-6, 11)\}$
  - $\{(-5, 0), (6, 11)\}$
  - $\{(-5, 10), (6, -1)\}$
30. What is the vertex of the parabola represented by the equation  $y = -2x^2 + 24x - 100$ ?
- $x = -6$
  - $x = 6$
  - $(6, -28)$
  - $(-6, -316)$
31. If  $k = am + 3mx$ , the value of  $m$  in terms of  $a$ ,  $k$ , and  $x$  can be expressed as
- $\frac{k}{a + 3x}$
  - $\frac{k - 3mx}{a}$
  - $\frac{k - am}{3x}$
  - $\frac{k - a}{3x}$
32. Which expression represents  $\frac{x^2 - 3x - 10}{x^2 - 25}$  in simplest form?
- $\frac{2}{5}$
  - $\frac{x + 2}{x + 5}$
  - $\frac{x - 2}{x - 5}$
  - $\frac{-3x - 10}{-25}$
33. The expression  $\frac{2x + 13}{2x + 6} - \frac{3x - 6}{2x + 6}$  is equivalent to
- $\frac{-x + 19}{2(x + 3)}$
  - $\frac{-x + 7}{2(x + 3)}$
  - $\frac{5x + 19}{2(x + 3)}$
  - $\frac{5x + 7}{4x + 12}$
34. Which coordinates represent a point in the solution set of the system of inequalities shown below?
- $$y \leq \frac{1}{2}x + 13$$
- $$4x + 2y > 3$$
- $(-4, 1)$
  - $(-2, 2)$
  - $(1, -4)$
  - $(2, -2)$
35. In  $\triangle ABC$ ,  $m\angle C = 90$ . If  $AB = 5$  and  $AC = 4$ , which statement is *not* true?
- $\cos A = \frac{4}{5}$
  - $\tan A = \frac{3}{4}$
  - $\sin B = \frac{4}{5}$
  - $\tan B = \frac{5}{3}$





43. What are the coordinates of the vertex and the equation of the axis of symmetry of the parabola shown in the graph below?



- a.  $(0, 2)$  and  $y = 2$   
 b.  $(0, 2)$  and  $x = 2$   
 c.  $(-2, 6)$  and  $y = -2$   
 d.  $(-2, 6)$  and  $x = -2$

44. Which set of coordinates is a solution of the equation  $2x - y = 11$ ?

- a.  $(-6, 1)$   
 b.  $(-1, 9)$   
 c.  $(0, 11)$   
 d.  $(2, -7)$

45. Which equation represents a line that has a slope of  $\frac{3}{4}$  and passes through the point  $(2, 1)$ ?

- a.  $3y = 4x - 5$   
 b.  $3y = 4x + 2$   
 c.  $4y = 3x - 2$   
 d.  $4y = 3x + 5$

46. What is the value of  $\left| \frac{4(-6) + 18}{41} \right|$ ?

- a.  $\frac{1}{4}$   
 b.  $-\frac{1}{4}$   
 c. 12  
 d. -12

47. Which expression is equivalent to  $\frac{2x^6 - 18x^4 + 2x^2}{2x^2}$ ?

- a.  $x^3 - 9x^2$   
 b.  $x^4 - 9x^2$   
 c.  $x^3 - 9x^2 + 1$   
 d.  $x^4 - 9x^2 + 1$

48. The expression  $\frac{14 + x}{x^2 - 4}$  is undefined when  $x$  is

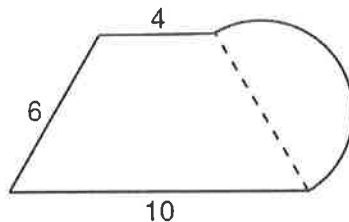
- a. -14, only  
 b. 2, only  
 c. -2 or 2  
 d. -14, -2, or 2

49. What is the solution of  $\frac{2}{x+1} = \frac{x+1}{2}$ ?

- a. -1 and -3
- b. -1 and 3

- c. 1 and -3
- d. 1 and 3

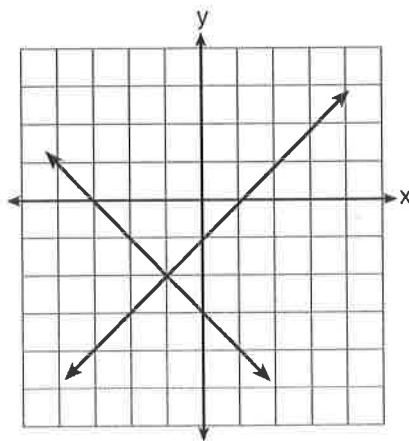
50. What is the perimeter of the figure shown below, which consists of an isosceles trapezoid and a semicircle?



- a.  $20 + 3\pi$
- b.  $20 + 6\pi$

- c.  $26 + 3\pi$
- d.  $26 + 6\pi$

51. What is the solution of the system of equations shown in the graph below?



- a.  $(1, 0)$  and  $(-3, 0)$
- b.  $(0, -3)$  and  $(0, -1)$

- c.  $(-1, -2)$
- d.  $(-2, -1)$

52. The solution of the equation  $5 - 2x = -4x - 7$  is

- a. 1
- b. 2

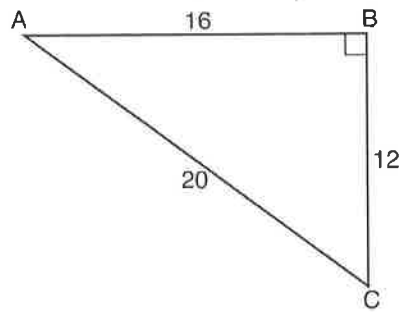
- c. -2
- d. -6

53. The expression  $100z^2 - 1$  is equivalent to

- a.  $(10z + 1)(10z - 1)$
- b.  $(10z - 1)(10z - 1)$

- c.  $(50z + 1)(50z - 1)$
- d.  $(50z - 1)(50z - 1)$

\_\_\_ 54. In right triangle  $ABC$  shown below, what is the value of  $\cos A$ ?



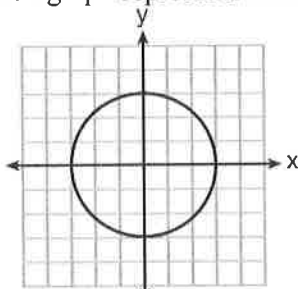
- |                    |                    |
|--------------------|--------------------|
| a. $\frac{12}{20}$ | c. $\frac{20}{12}$ |
| b. $\frac{16}{20}$ | d. $\frac{20}{16}$ |

\_\_\_ 55. A bag contains five green gumdrops and six red gumdrops. If Kim pulls a green gumdrop out of the bag and eats it, what is the probability that the next gumdrop she pulls out will be red?

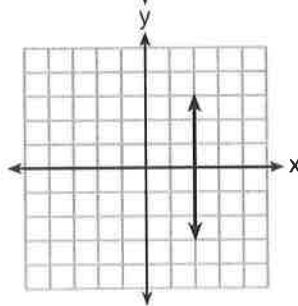
- |                   |                   |
|-------------------|-------------------|
| a. $\frac{5}{11}$ | c. $\frac{6}{11}$ |
| b. $\frac{5}{10}$ | d. $\frac{6}{10}$ |

\_\_\_ 56. Which graph represents a function?

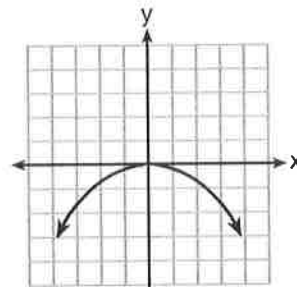
a.



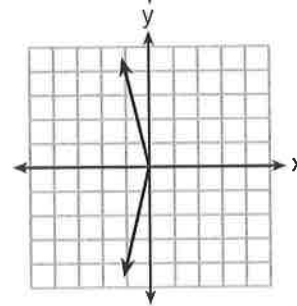
b.



c.



d.

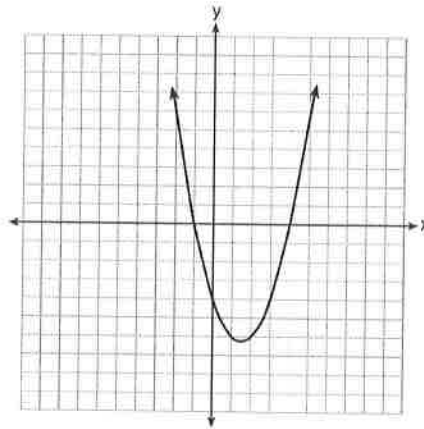


\_\_\_ 57. What is  $24x^2y^6 - 16x^6y^2 + 4xy^2$  divided by  $4xy^2$ ?

- |                       |                          |
|-----------------------|--------------------------|
| a. $6xy^4 - 4x^5$     | c. $6x^2y^3 - 4x^6y$     |
| b. $6xy^4 - 4x^5 + 1$ | d. $6x^2y^3 - 4x^6y + 1$ |

58. The inequality  $-2 \leq x \leq 3$  can be written as  
a.  $(-2, 3)$  c.  $(-2, 3]$   
b.  $[-2, 3)$  d.  $[-2, 3]$
59. The roots of the equation  $x^2 - 14x + 48 = 0$  are  
a.  $-6$  and  $-8$  c.  $6$  and  $-8$   
b.  $-6$  and  $8$  d.  $6$  and  $8$
60. If  $x = -3$ , what is the value of  $|x - 4| - x^2$ ?  
a.  $-8$  c.  $7$   
b.  $-2$  d.  $16$
61. Which equation represents a line that is parallel to the line whose equation is  $2x - 3y = 9$ ?  
a.  $y = \frac{2}{3}x - 4$  c.  $y = \frac{3}{2}x - 4$   
b.  $y = -\frac{2}{3}x + 4$  d.  $y = -\frac{3}{2}x + 4$
62. Which ordered pair is in the solution set of the system of inequalities  $y \leq 3x + 1$  and  $x - y > 1$ ?  
a.  $(-1, -2)$  c.  $(1, 2)$   
b.  $(2, -1)$  d.  $(-1, 2)$
63. Which equation represents the line that passes through the point  $(3, 4)$  and is parallel to the  $x$ -axis?  
a.  $x = 4$  c.  $y = 4$   
b.  $x = -3$  d.  $y = -3$
64. The expression  $\frac{2x^2 + 10x - 28}{4x + 28}$  is equivalent to  
a.  $\frac{x - 2}{2}$  c.  $\frac{x + 2}{2}$   
b.  $x - 1$  d.  $\frac{x + 5}{2}$
65. Which value of  $x$  is the solution of the equation  $\frac{1}{7} + \frac{2x}{3} = \frac{15x - 3}{21}$ ?  
a.  $6$  c.  $\frac{4}{13}$   
b.  $0$  d.  $\frac{6}{29}$
66. Which statement is true about the data set  $4, 5, 6, 6, 7, 9, 12$ ?  
a. mean = mode c. mean < median  
b. mode = median d. mode > mean

67. The roots of a quadratic equation can be found using the graph below.



What are the roots of this equation?

- a. -4, only
- b. -4 and -1
- c. -1 and 4
- d. -4, -1, and 4

68. The value of the expression  $6! + \frac{5!(3!)}{4!} - 10$  is

- a. 50
- b. 102
- c. 740
- d. 750

69. The solutions of  $x^2 = 16x - 28$  are

- a. -2 and -14
- b. 2 and 14
- c. -4 and -7
- d. 4 and 7

70. The expression  $\frac{x-3}{x+2}$  is undefined when the value of  $x$  is

- a. -2, only
- b. -2 and 3
- c. 3, only
- d. -3 and 2

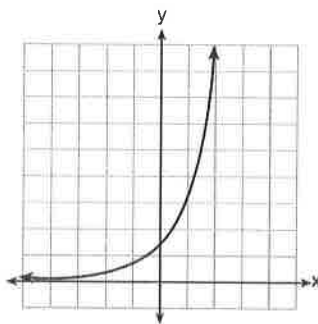
71. If  $rx - st = r$ , which expression represents  $x$ ?

- a.  $\frac{r+st}{r}$
- b.  $\frac{r}{r+st}$
- c.  $\frac{r}{r-st}$
- d.  $\frac{r-st}{r}$

72. What is the solution of the equation  $\frac{x+2}{2} = \frac{4}{x}$ ?

- a. 1 and -8
- b. 2 and -4
- c. -1 and 8
- d. -2 and 4

73. Which type of function is graphed below?

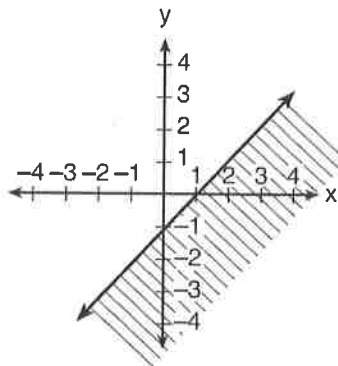


- a. linear
- b. quadratic
- c. exponential
- d. absolute value

74. What is the slope of the line represented by the equation  $4x + 3y = 12$ ?

- a.  $\frac{4}{3}$
- b.  $\frac{3}{4}$
- c.  $-\frac{3}{4}$
- d.  $-\frac{4}{3}$

75. The diagram below shows the graph of which inequality?

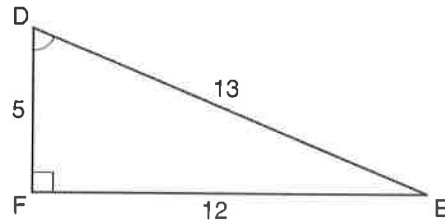


- a.  $y > x - 1$
- b.  $y \geq x - 1$
- c.  $y < x - 1$
- d.  $y \leq x - 1$

76. When  $2x^2 - 3x + 2$  is subtracted from  $4x^2 - 5x + 2$ , the result is

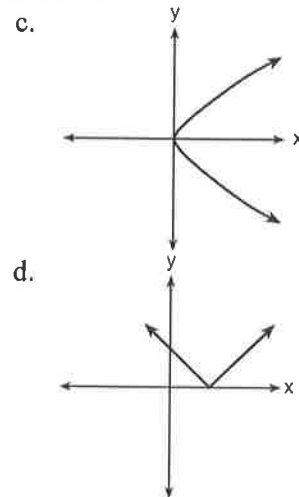
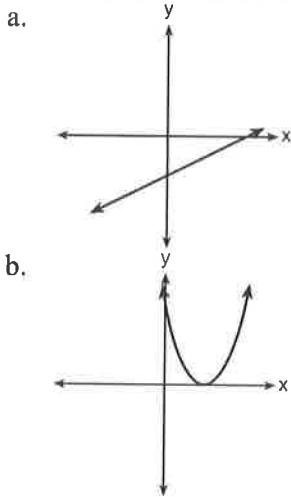
- a.  $2x^2 - 2x$
- b.  $-2x^2 + 2x$
- c.  $-2x^2 - 8x + 4$
- d.  $2x^2 - 8x + 4$

77. Which equation could be used to find the measure of angle  $D$  in the right triangle shown in the diagram below?



- a.  $\cos D = \frac{12}{13}$   
b.  $\cos D = \frac{13}{12}$   
c.  $\sin D = \frac{5}{13}$   
d.  $\sin D = \frac{12}{13}$
78. If the roots of a quadratic equation are  $-2$  and  $3$ , the equation can be written as  
a.  $(x - 2)(x + 3) = 0$   
b.  $(x + 2)(x - 3) = 0$   
c.  $(x + 2)(x + 3) = 0$   
d.  $(x - 2)(x - 3) = 0$
79. Which equation represents a line that is parallel to the  $y$ -axis and passes through the point  $(4, 3)$ ?  
a.  $x = 3$   
b.  $x = 4$   
c.  $y = 3$   
d.  $y = 4$
80. In triangle  $RST$ , angle  $R$  is a right angle. If  $TR = 6$  and  $TS = 8$ , what is the length of  $\overline{RS}$ ?  
a. 10  
b. 2  
c.  $2\sqrt{7}$   
d.  $7\sqrt{2}$

81. Which graph does *not* represent the graph of a function?



82. What is the slope of the line that passes through the points  $(4, -7)$  and  $(9, 1)$ ?  
a.  $\frac{5}{8}$   
b.  $\frac{8}{5}$   
c.  $-\frac{6}{12}$   
d.  $-\frac{13}{6}$



83. The product of  $\frac{4x^2}{7y^2}$  and  $\frac{21y^3}{20x^4}$ , expressed in simplest form, is

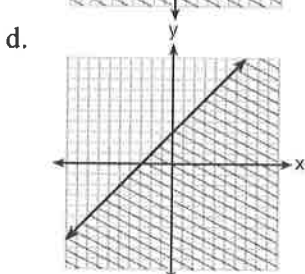
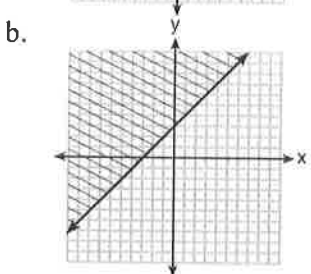
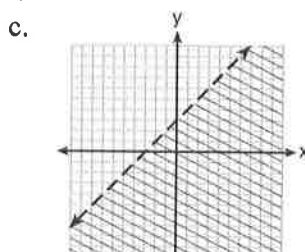
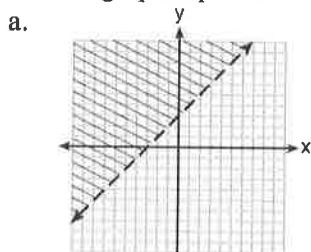
a.  $0.6x^2y$

c.  $\frac{12x^2y^3}{20x^4y^2}$

b.  $\frac{3y}{5x^2}$

d.  $\frac{84x^2y^3}{140x^4y^2}$

84. Which graph represents the inequality  $y \geq x + 3$ ?



85. Using the substitution method, Ken solves the following system of equations algebraically.

$$2x - y = 5$$

$$3x + 2y = -3$$

Which equivalent equation could Ken use?

a.  $3x + 2(2x - 5) = -3$

c.  $3\left(y + \frac{5}{2}\right) + 2y = -3$

b.  $3x + 2(5 - 2x) = -3$

d.  $3\left(\frac{5}{2} - y\right) + 2y = -3$

86. Which fraction is equivalent to  $\frac{4}{3a} - \frac{5}{2a}$ ?

a.  $\frac{1}{a}$

c.  $\frac{7}{6a}$

b.  $\frac{1}{5a}$

d.  $\frac{7}{6a^2}$

87. If  $2y + 2w = x$ , then  $w$ , in terms of  $x$  and  $y$ , is equal to

a.  $x - y$

c.  $x + y$

b.  $\frac{x - 2y}{2}$

d.  $\frac{x + 2y}{2}$

\_\_\_ 88. The expression  $\frac{5}{3 + \sqrt{2}}$  is equivalent to

a.  $\frac{\sqrt{2} - 15}{3}$

c.  $\frac{15 - 5\sqrt{2}}{7}$

b.  $\frac{5\sqrt{2} - 15}{5}$

d.  $15 - 5\sqrt{2}$

\_\_\_ 89. If  $f(x) = 3x - 5$  and  $g(x) = x - 9$ , which expression is equivalent to  $(f \circ g)(x)$ ?

a.  $4x - 14$

c.  $3x - 32$

b.  $3x - 14$

d.  $3x^2 - 32x + 45$

\_\_\_ 90. A central angle of a circular garden measures 2.5 radians and intercepts an arc of 20 feet. What is the radius of the garden?

a. 8 ft

c. 100 ft

b. 50 ft

d. 125 ft

\_\_\_ 91. Given the relation  $A: \{(3, 2), (5, 3), (6, 2), (7, 4)\}$

Which statement is true?

a. Both  $A$  and  $A^{-1}$  are functions.

c. Only  $A$  is a function.

b. Neither  $A$  nor  $A^{-1}$  is a function.

d. Only  $A^{-1}$  is a function.

\_\_\_ 92. The roots of  $x^2 - 5x + 1 = 0$  are

a. real, rational, and unequal

c. real, irrational, and unequal

b. real, rational, and equal

d. imaginary

\_\_\_ 93. Which expression is equivalent to  $\left(\sqrt{a^2 b^{\frac{1}{2}}}\right)^{-1}$ ?

a.  $a^{-2} b^{-\frac{1}{2}}$

c.  $-ab^2$

b.  $-ab^{\frac{1}{4}}$

d.  $\frac{1}{ab^{\frac{1}{4}}}$

\_\_\_ 94. The expression  $\frac{1 - \frac{x}{x-y}}{\frac{1}{x-y}}$

a.  $1 - x$

c.  $y$

b.  $1 - y$

d.  $-y$



SUBJECTIVE SCORE INSTRUCTOR USE ONLY

100	90	80	70	60
50	40	30	20	10
9	8	7	6	5
4	3	2	1	0

**IMPORTANT**

TO USE SUBJECTIVE SCORE FEATURE:

- Mark total possible subjective points
- Only one mark per line on key
- 163 points maximum

EXAMPLE OF STUDENT SCORE

PART 1

NA  
SU  
DA  
RE

USE NO

- MAKE DARK
- ERASE DON'T CHANGE
- EXAMPLE

	(T)	(F)	KEY		
	1	2	3	4	5
1	A	B	C	D	E
2	A	B	C	D	E
3	A	B	C	D	E
4	A	B	C	D	E
5	A	B	C	D	E
6	A	B	C	D	E
7	A	B	C	D	E
8	A	B	C	D	E
9	A	B	C	D	E
10	A	B	C	D	E
11	A	B	C	D	E
12	A	B	C	D	E
13	A	B	C	D	E
14	A	B	C	D	E
15	A	B	C	D	E
16	A	B	C	D	E
17	A	B	C	D	E
18	A	B	C	D	E
19	A	B	C	D	E
20	A	B	C	D	E
21	A	B	C	D	E
22	A	B	C	D	E
23	A	B	C	D	E
24	A	B	C	D	E
25	A	B	C	D	E
26	A	B	C	D	E
27	A	B	C	D	E
28	A	B	C	D	E
29	A	B	C	D	E
30	A	B	C	D	E
31	A	B	C	D	E
32	A	B	C	D	E
33	A	B	C	D	E
34	A	B	C	D	E
35	A	B	C	D	E
36	A	B	C	D	E
37	A	B	C	D	E
38	A	B	C	D	E
39	A	B	C	D	E
40	A	B	C	D	E
41	A	B	C	D	E
42	A	B	C	D	E
43	A	B	C	D	E
44	A	B	C	D	E
45	A	B	C	D	E
46	A	B	C	D	E
47	A	B	C	D	E
48	A	B	C	D	E
49	A	B	C	D	E
50	A	B	C	D	E

	(T)	(F)	KEY		
	1	2	3	4	5
51	A	B	C	D	E
52	A	B	C	D	E
53	A	B	C	D	E
54	A	B	C	D	E
55	A	B	C	D	E
56	A	B	C	D	E
57	A	B	C	D	E
58	A	B	C	D	E
59	A	B	C	D	E
60	A	B	C	D	E
61	A	B	C	D	E
62	A	B	C	D	E
63	A	B	C	D	E
64	A	B	C	D	E
65	A	B	C	D	E
66	A	B	C	D	E
67	A	B	C	D	E
68	A	B	C	D	E
69	A	B	C	D	E
70	A	B	C	D	E
71	A	B	C	D	E
72	A	B	C	D	E
73	A	B	C	D	E
74	A	B	C	D	E
75	A	B	C	D	E
76	A	B	C	D	E
77	A	B	C	D	E
78	A	B	C	D	E
79	A	B	C	D	E
80	A	B	C	D	E
81	A	B	C	D	E
82	A	B	C	D	E
83	A	B	C	D	E
84	A	B	C	D	E
85	A	B	C	D	E
86	A	B	C	D	E
87	A	B	C	D	E
88	A	B	C	D	E
89	A	B	C	D	E
90	A	B	C	D	E
91	A	B	C	D	E
92	A	B	C	D	E
93	A	B	C	D	E
94	A	B	C	D	E
95	A	B	C	D	E
96	A	B	C	D	E
97	A	B	C	D	E
98	A	B	C	D	E
99	A	B	C	D	E
100	A	B	C	D	E

FEED THIS DIRECTION

