

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Solve the equation.

1)  $6x - (3x - 1) = 2$  1) \_\_\_\_\_

- A)  $-\frac{1}{3}$                       B)  $-\frac{1}{9}$                       C)  $\frac{1}{9}$                       D)  $\frac{1}{3}$

2)  $\frac{5}{6}x + \frac{4}{3} = \frac{2}{3}x$  2) \_\_\_\_\_

- A) 12                      B) 8                      C) -8                      D) -12

3)  $\frac{3(y - 2)}{5} = 1 - 3y$  3) \_\_\_\_\_

- A)  $\frac{11}{6}$                       B)  $-\frac{11}{18}$                       C)  $\frac{7}{6}$                       D)  $\frac{11}{18}$

4)  $-6.4m - 1.9 + 0.2m = -2.1 - 6.2m + 0.2$  4) \_\_\_\_\_

- A) 0                      B) 0.2  
C) all real numbers                      D) no solution

Solve.

5) A 7-ft. board is cut into 2 pieces so that one piece is 3 feet longer than 3 times the shorter piece. If the shorter piece is x feet long, find the lengths of both pieces. 5) \_\_\_\_\_

- A) shorter piece: 18 ft; longer piece: 21 ft                      B) shorter piece: 3.5 ft; longer piece: 21 ft  
C) shorter piece: 9 ft; longer piece: 24 ft                      D) shorter piece: 1 ft; longer piece: 6 ft

6) Center City East Parking Garage has a capacity of 255 cars more than Center City West Parking Garage. If the combined capacity for the two garages is 1225 cars, find the capacity for each garage. 6) \_\_\_\_\_

- |                               |                               |
|-------------------------------|-------------------------------|
| A) Center City East: 750 cars | B) Center City East: 740 cars |
| Center City West: 475 cars    | Center City West: 485 cars    |
| C) Center City East: 485 cars | D) Center City East: 475 cars |
| Center City West: 740 cars    | Center City West: 750 cars    |

Solve the equation for the indicated variable.

7)  $A = \frac{1}{2}h(B + b)$  for B 7) \_\_\_\_\_

- A)  $B = \frac{2A - bh}{h}$                       B)  $B = \frac{A - bh}{h}$                       C)  $B = \frac{2A + bh}{h}$                       D)  $B = 2A - bh$

8)  $A = P + PRT$  for T 8) \_\_\_\_\_

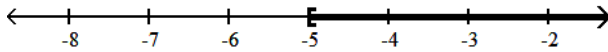
- A)  $T = \frac{PR}{A - P}$                       B)  $T = \frac{A}{R}$                       C)  $T = \frac{A - P}{PR}$                       D)  $T = \frac{P - A}{PR}$

Solve the inequality. Graph the solution set and write it in interval notation.

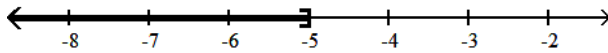
9)  $-16x - 32 \leq -4(3x + 3)$

9) \_\_\_\_\_

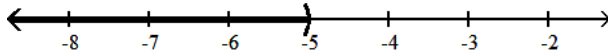
A)  $[-5, \infty)$



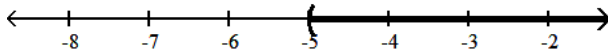
B)  $(-\infty, -5]$



C)  $(-\infty, -5)$



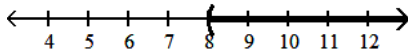
D)  $(-5, \infty)$



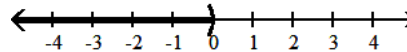
10)  $6x + 8 + 9x < 4 + 13x + 4$

10) \_\_\_\_\_

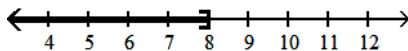
A)  $(8, \infty)$



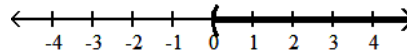
B)  $(-\infty, 0)$



C)  $(-\infty, 8]$



D)  $(0, \infty)$



Determine whether the ordered pair is a solution of the given linear equation.

11)  $5x - 3y = -5$ ;  $(0, -1)$

11) \_\_\_\_\_

A) yes

B) no

12)  $x - 3y = 6$ ;  $(0, -2)$

12) \_\_\_\_\_

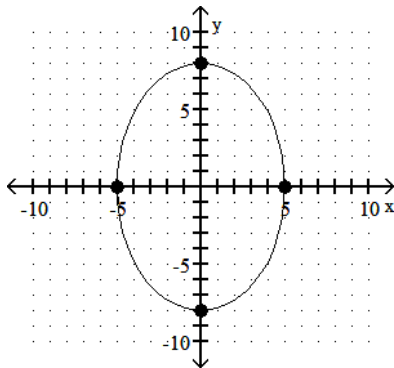
A) no

B) yes

Identify the intercepts.

13)

13) \_\_\_\_\_



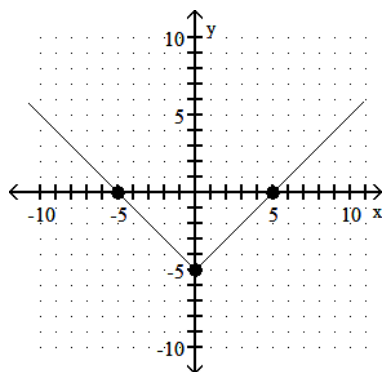
A)  $(5, 0), (-5, 0), (0, 8), (0, -8)$

B)  $(0, 8), (0, -8)$

C)  $(8, 0), (-8, 0), (0, 5), (0, -5)$

D)  $(5, 0), (-5, 0)$

14)



- A)  $(5, 0), (-5, 0), (0, 0)$   
 C)  $(5, 0), (-5, 0), (0, -5)$

- B)  $(0, -5)$   
 D)  $(5, 0), (-5, 0)$

14) \_\_\_\_\_

Find the slope of the line.

15)  $7x + 8y = -11$

A)  $m = -\frac{7}{8}$

B)  $m = -\frac{8}{7}$

C)  $m = -7$

D)  $m = -56$

15) \_\_\_\_\_

16)  $y = -3$

A)  $m = 1$

C)  $m = 0$

B)  $m = -3$

D) undefined slope

16) \_\_\_\_\_

17)  $x = 5$

A)  $m = 0$

C)  $m = 5$

B)  $m = -5$

D) undefined slope

17) \_\_\_\_\_

18)  $-x + 11y = 110$

A)  $m = -\frac{1}{11}$

B)  $m = 11$

C)  $m = \frac{1}{11}$

D)  $m = -1$

18) \_\_\_\_\_

Solve.

19) To the nearest dollar, the average tuition at a public four-year college was \$3024 in 1998 and \$3414 in 1999. Find the rate of change in tuition (to the nearest dollar per year).

A) tuition increased \$407 per year

B) tuition decreased \$390 per year

C) tuition increased \$401 per year

D) tuition increased \$390 per year

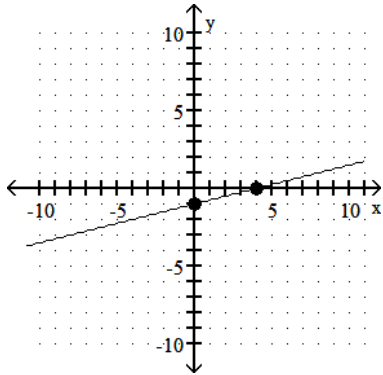
19) \_\_\_\_\_

Graph the linear equation by finding and plotting its intercepts.

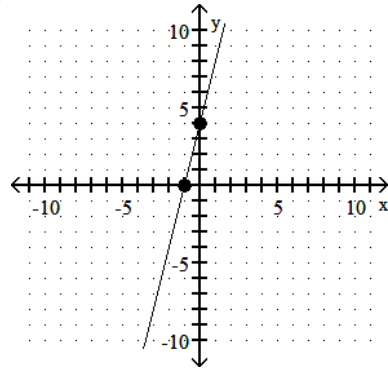
20)  $-x + 4y = -4$

20) \_\_\_\_\_

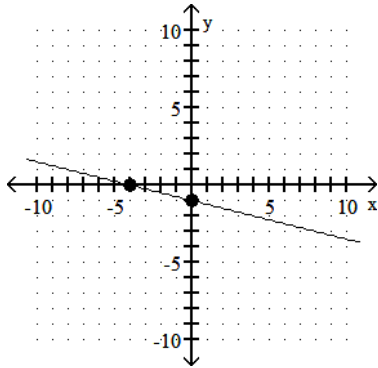
A)



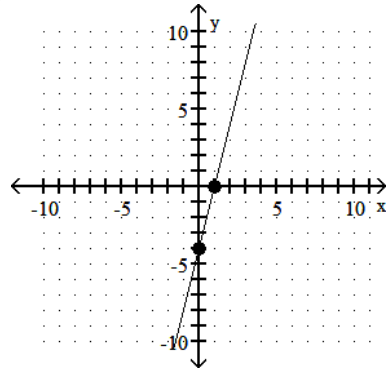
B)



C)



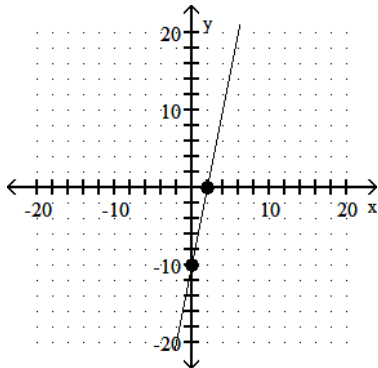
D)



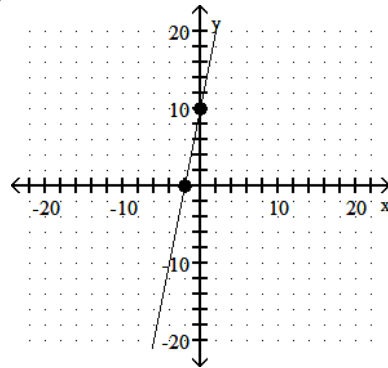
21)  $-5x - y = -10$

21) \_\_\_\_\_

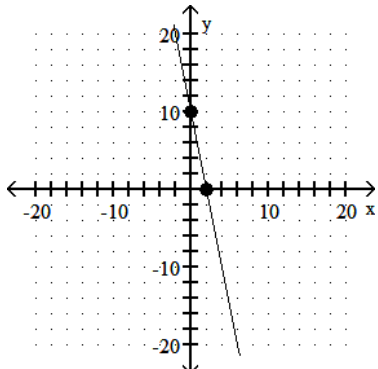
A)



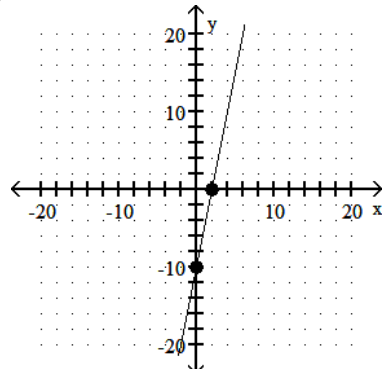
B)



C)



D)

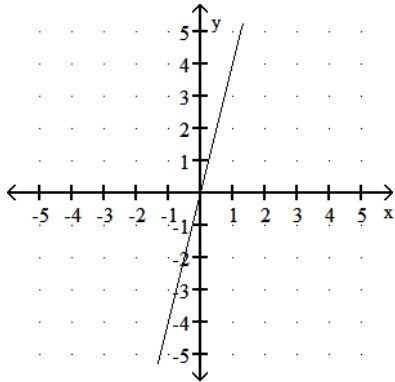


Graph the linear equation.

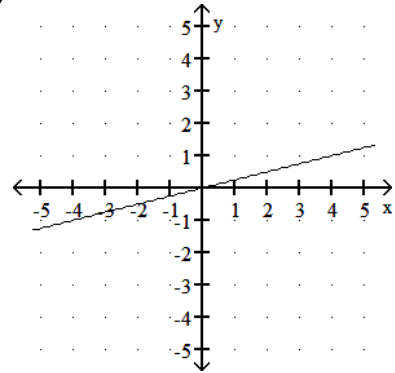
22)  $y - 4 = 0$

22) \_\_\_\_\_

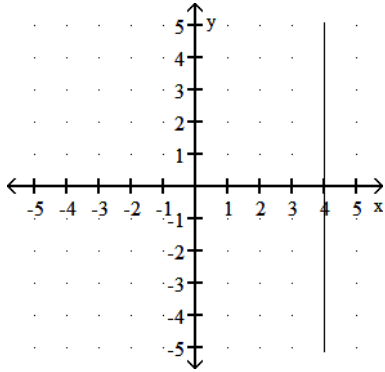
A)



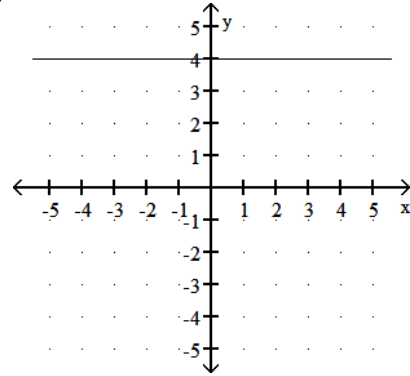
B)



C)



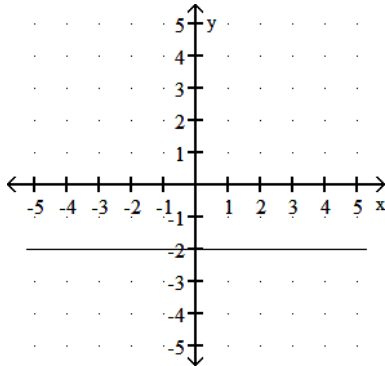
D)



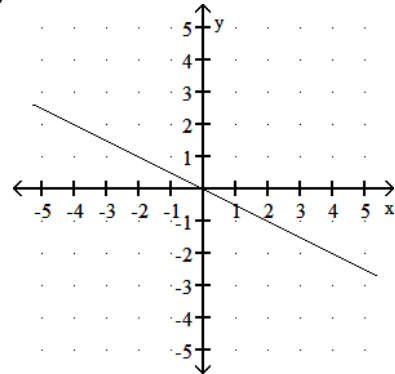
23)  $x + 2 = 0$

23) \_\_\_\_\_

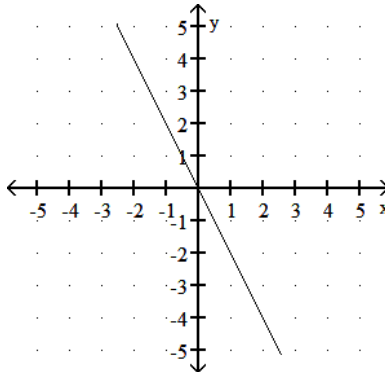
A)



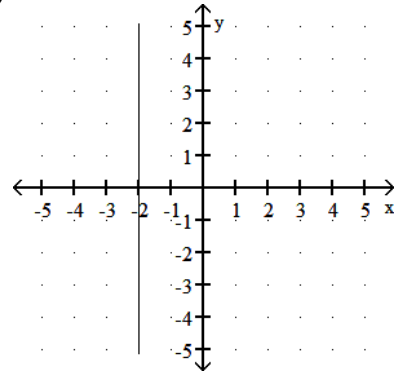
B)



C)



D)

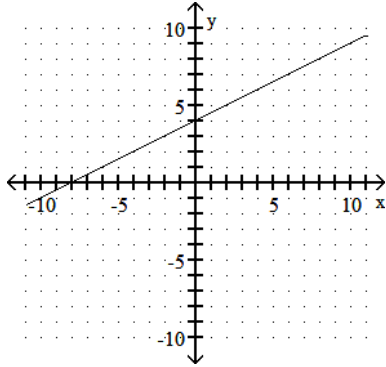


Use the slope-intercept form to graph the equation.

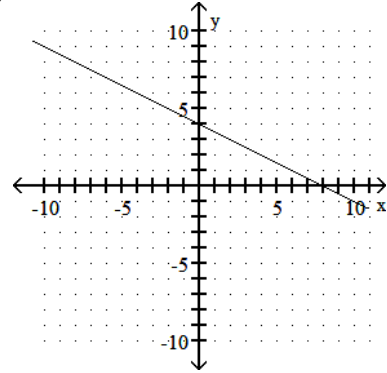
24)  $y = -\frac{1}{2}x + 4$

24) \_\_\_\_\_

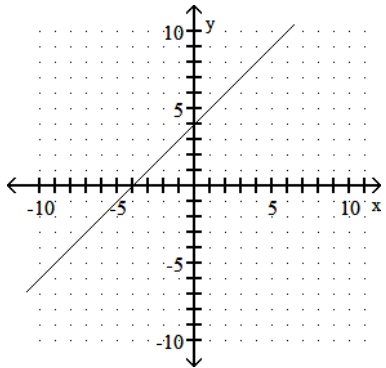
A)



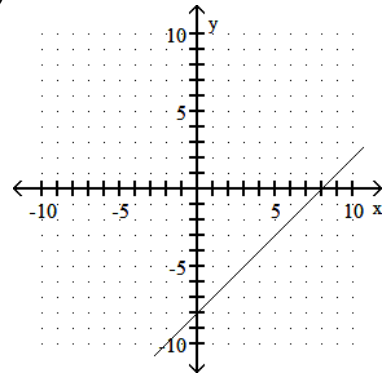
B)



C)



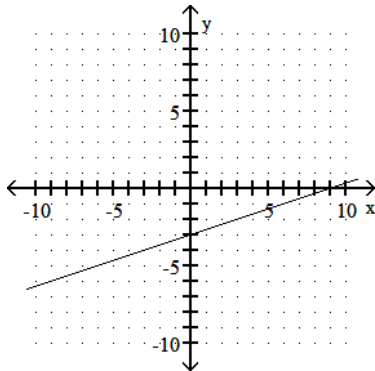
D)



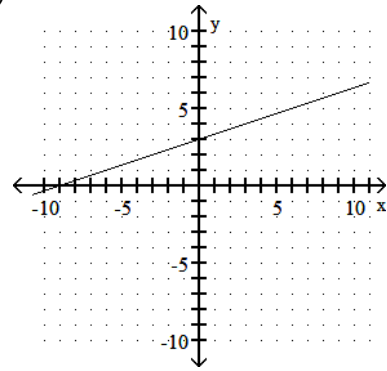
25)  $y = -3x - 3$

25) \_\_\_\_\_

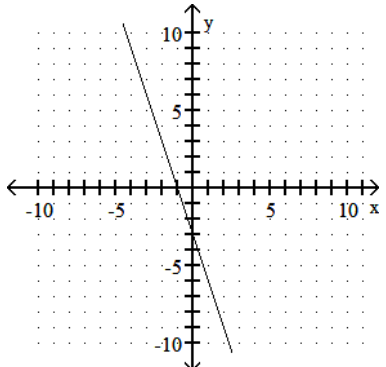
A)



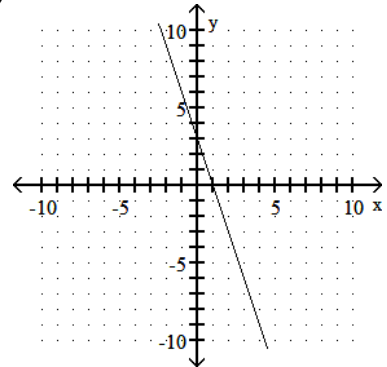
B)



C)



D)



26) Determine the intercepts of the graph of  $4x - y = 8$ .

A)  $(0, -8), (2, 0)$

B)  $(0, 2), (-8, 0)$

C)  $(4, 8), (-1, 8)$

D)  $(-1, 8), (0, -8)$

26) \_\_\_\_\_

Find an equation of the line. Write the equation using function notation.

27) Through  $(8, 5)$ ; parallel to  $f(x) = 5x - 6$

A)  $f(x) = 5x + 45$

B)  $f(x) = 5x - 35$

C)  $f(x) = 5x + 5$

D)  $f(x) = -5x - 35$

27) \_\_\_\_\_

28) Through  $(2, 4)$ ; perpendicular to  $f(x) = -3x + 4$

A)  $f(x) = -\frac{1}{3}x + \frac{10}{3}$

B)  $f(x) = \frac{1}{3}x + \frac{10}{3}$

C)  $f(x) = 3x + \frac{10}{3}$

D)  $f(x) = -3x + \frac{10}{3}$

28) \_\_\_\_\_

Find the domain and the range of the relation.

29)  $\{(6, 4), (-6, 0), (-5, -5), (11, -6)\}$

A) domain:  $\{-6, -5, 6, 11\}$ ; range:  $\{0, 4\}$

B) domain:  $\{-6, -5, 6, 11\}$ ; range:  $\{-6, -5, 0, 4\}$

C) domain:  $\{-5, 0, 6, 11\}$ ; range:  $\{-6, -5, 4, 11\}$

D) domain:  $\{-6, 0, 4, 6\}$ ; range:  $\{-6, -5, 11\}$

29) \_\_\_\_\_

Evaluate the function.

30) Find  $f(-3)$  when  $f(x) = 3x^2 + 3x - 6$ .

A) 27

B) 12

C) 30

D) 24

30) \_\_\_\_\_

31) Find  $f(4)$  when  $f(x) = x^2 + 4x - 3$ .

A) 35

B) 3

C) -3

D) 29

31) \_\_\_\_\_

Solve.

32) The distance that an object falls when it is dropped is directly proportional to the square of the amount of time since it was dropped. An object falls 128 feet in 2 seconds. Find the distance the object falls in 5 seconds.

A) 10 feet

B) 800 feet

C) 320 feet

D) 160 feet

32) \_\_\_\_\_

33) If  $y$  varies directly as the square root of  $x$  and  $y=32$  when  $x=4$ , find  $y$  when  $x=49$ .

A) 112

B) 16

C) 81

D) 7

33) \_\_\_\_\_

Solve the system of equations by the addition method.

34)  $\begin{cases} x - 7y = -66 \\ -6x - 8y = -54 \end{cases}$

A)  $(-3, 9)$

B)  $(-4, 10)$

C) no solution

D)  $(3, 10)$

34) \_\_\_\_\_

Solve the system of equations by the substitution method.

35)  $\begin{cases} x + 5y = -1 \\ -4x + 4y = -44 \end{cases}$

A)  $(8, -1)$

B) no solution

C)  $(-9, -1)$

D)  $(9, -2)$

35) \_\_\_\_\_

Simplify the expression. Write using positive exponents only.

36)  $-8y^0$  A) 1 B) -8 C) -7 D) 0 36) \_\_\_\_\_

37)  $-8x^0 + x^{-3}$  A)  $-8 + \frac{1}{x^3}$  B)  $-1 + \frac{1}{x^3}$  C)  $-8 + x^3$  D) -8 37) \_\_\_\_\_

38)  $\left(\frac{2y^2}{10x^{-5}}\right)^2$  A)  $\frac{x^{10}y^4}{25}$  B)  $\frac{x^{10}}{25y^4}$  C)  $\frac{25}{x^{10}y^4}$  D)  $\frac{25}{x^4y^3}$  38) \_\_\_\_\_

39)  $(z^7x^7)^{-3}$  A)  $\frac{1}{(zx)^{42}}$  B)  $\frac{1}{z^{21}x^{21}}$  C)  $z^4x^4$  D)  $z^{10}x^{10}$  39) \_\_\_\_\_

40)  $\frac{-7ym^2n}{-2ym^5n}$  A)  $\frac{5}{m^3}$  B)  $\frac{1}{5m^3}$  C)  $\frac{5y^2n^2}{m^3}$  D)  $\frac{7}{2m^3}$  40) \_\_\_\_\_

Perform the indicated operation.

41)  $(2n^5 - 15n^4 - 9) - (5n^5 - 9n^4 - 8)$  41) \_\_\_\_\_  
A)  $-3n^5 - 6n^4 - 17$  B)  $-3n^5 - 6n^4 - 1$   
C)  $-10n^9$  D)  $-3n^5 - 10n^4 - 17$

42)  $(3x^2 - 8x + 5) - (x^2 - 5x + 2) + (4x^2 + 5)$  42) \_\_\_\_\_  
A)  $6x^2 - 3x + 8$  B)  $-2x^2 - 13x + 12$  C)  $6x^2 + 3x + 8$  D)  $6x^2 - 3x + 12$

43)  $(b - 5)(b^2 + 5b + 3)$  43) \_\_\_\_\_  
A)  $b^3 - 10b^2 - 22b - 15$  B)  $b^3 + 10b^2 + 22b + 15$   
C)  $b^3 + 28b + 15$  D)  $b^3 - 22b - 15$

44)  $(x + 1)(x^2 - x + 1)$  44) \_\_\_\_\_  
A)  $x^3 + 2x^2 + 2x + 1$  B)  $x^3 - 2x^2 - 2x - 1$   
C)  $x^3 + 1$  D)  $x^3 - 1$

45)  $(9z + 11)^2$  45) \_\_\_\_\_  
A)  $81z^2 + 198z + 121$  B)  $9z^2 + 198z + 121$   
C)  $81z^2 + 121$  D)  $9z^2 + 121$



Find the quotient using long division.

46)  $\frac{p^2 + 5p - 10}{p + 7}$  46) \_\_\_\_\_  
 A)  $p - 2 + \frac{4}{p + 7}$       B)  $p - 4 + \frac{2}{p + 7}$       C)  $p - 2$       D)  $p + 2 + \frac{4}{p + 7}$

47)  $\frac{5m^2 + 5m - 10}{m + 2}$  47) \_\_\_\_\_  
 A)  $5m + 5$       B)  $5m - 5 + \frac{7}{m - 5}$       C)  $5m - 5$       D)  $m - 5$

Factor COMPLETELY!!! Write "prime" if the polynomial cannot be factored.

48)  $6x^2 - 10x + 15x - 25$  48) \_\_\_\_\_  
 A)  $(2x + 5)(3x - 5)$       B)  $(6x - 5)(x + 5)$       C)  $(6x + 5)(x - 5)$       D)  $(2x - 5)(3x + 5)$

49)  $2x^3 - 3x^2 - 8x + 12$  49) \_\_\_\_\_  
 A)  $(x^2 - 4)(2x - 3)$       B)  $(x^2 + 4)(2x + 3)$   
 C)  $(2x - 3)(x + 2)(x - 2)$       D)  $(x^2 + 4)(2x - 3)$

50)  $9z^2 + 6z - 8$  50) \_\_\_\_\_  
 A)  $(3z + 4)(3z - 2)$       B)  $(9z + 4)(z - 2)$       C) prime      D)  $(3z - 4)(3z + 2)$

51)  $8x^2 - 24xy - 32y^2$  51) \_\_\_\_\_  
 A) prime      B)  $8(x - y)(x + 4y)$   
 C)  $(8x - 8y)(x + 4y)$       D)  $8(x + y)(x - 4y)$

52)  $t^3 + 729$  52) \_\_\_\_\_  
 A)  $(t - 729)(t + 1)(t - 1)$       B)  $(t + 9)(t^2 - 9t + 81)$   
 C)  $(t + 9)(t^2 + 81)$       D)  $(t - 9)(t^2 + 9t + 81)$

53)  $108x^3 + 500$  53) \_\_\_\_\_  
 A)  $4(27x^3 + 125)$       B)  $4(3x + 5)(9x^2 + 25)$   
 C)  $4(3x - 5)(9x^2 + 15x + 25)$       D)  $4(3x + 5)(9x^2 - 15x + 25)$

Solve the equation.

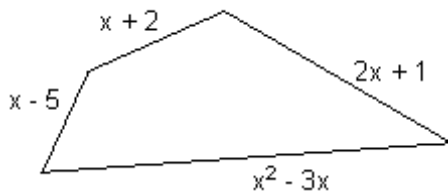
54)  $x^2 - 36 = 35x$  54) \_\_\_\_\_  
 A) 1, -36      B) -6, -6      C) -1, 36      D) -6, 6

55)  $16x^2 - 11 = 40x$  55) \_\_\_\_\_  
 A)  $-\frac{11}{4}, \frac{1}{4}$       B)  $\frac{11}{16}, -\frac{1}{16}$       C)  $-\frac{1}{16}, -\frac{5}{8}$       D)  $\frac{11}{4}, -\frac{1}{4}$

Solve.

56) The perimeter of the quadrilateral is 130 inches. Find the lengths of the sides.

56) \_\_\_\_\_

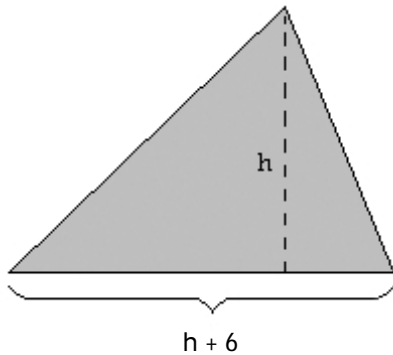


- A) 14 in., 25 in., 108 in., 7 in.  
C) 13 in., 23 in., 88 in., 6 in.

- B) 3 in., 3 in., -2 in., -4 in.  
D) 12 in., 24 in., 88 in., 6 in.

57) A triangle is 6 cm wider than it is tall. The area is  $140 \text{ cm}^2$ . Find the width (length of the base).

57) \_\_\_\_\_



A) 6 cm

B) 20 cm

C) 14 cm

D) 21 cm

Perform the indicated operation and simplify, if possible.

58)  $\frac{x^2 - 49}{7y} \div \frac{7 - x}{14xy}$

58) \_\_\_\_\_

A)  $-2x(x + 7)$

B)  $-2x(x - 7)$

C)  $2x(x + 7)$

D)  $2x(x - 7)$

59)  $\frac{x + 6}{3 - x} \div \frac{x^2 - 4x - 12}{x^2 - 9x + 18}$

59) \_\_\_\_\_

A)  $\frac{x - 6}{x + 2}$

B)  $-\frac{x + 6}{x + 2}$

C)  $-\frac{x - 6}{x + 2}$

D)  $-\frac{(x + 6)(x - 6)}{(x - 3)^2}$

60)  $\frac{4}{x^2 + x - 2} + \frac{6}{x - 1}$

60) \_\_\_\_\_

A)  $\frac{-6x - 8}{(x - 1)(x + 2)}$

B)  $x + 2$

C)  $\frac{6x + 16}{(x - 1)(x + 2)}$

D)  $\frac{x + 1}{(x + 2)(x - 1)}$

$$61) \frac{3}{x^2 - 3x + 2} + \frac{7}{x^2 - 1}$$

61) \_\_\_\_\_

A)  $\frac{42x - 11}{(x - 1)(x + 1)(x - 2)}$

B)  $\frac{10x - 11}{(x - 1)(x + 1)(x - 2)}$

C)  $\frac{11x - 10}{(x - 1)(x + 1)(x - 2)}$

D)  $\frac{10x - 11}{(x - 1)(x - 2)}$

Solve the equation. You MUST check your proposed solutions.

$$62) 1 + \frac{1}{x} = \frac{20}{x^2}$$

62) \_\_\_\_\_

A)  $-\frac{1}{5}, \frac{1}{4}$

B) 5, 4

C) -5, 4

D) 5, -4

$$63) \frac{x}{x + 2} + \frac{2}{x^2 + 5x + 6} = \frac{5}{x + 3}$$

63) \_\_\_\_\_

A) 0

B) 4, -2

C) 4

D) no solution

Solve the compound inequality. Graph the solution set.

$$64) 0 \leq -2x + 5 < 3$$

64) \_\_\_\_\_

A)  $[-1, -5/2)$

B)  $(1, 5/2]$

C)  $\left[-1, \frac{3}{2}\right]$

D)  $[-5/2, 1]$

Simplify.

$$65) \sqrt[4]{81x^8y^{16}}$$

65) \_\_\_\_\_

A)  $9x^4y^2$

B)  $3x^2y^4$

C)  $4.264x^2y^4$

D) not a real number

Simplify. Write your answer using radicals.

$$66) (p^{1/2} + 5)(p^{1/2} - 2)$$

66) \_\_\_\_\_

A)  $\sqrt[4]{p} + 3\sqrt{p} - 10$

B)  $p + 3\sqrt{p} - 10$

C)  $p - 10$

D)  $3p - 10$

Simplify.

$$67) (\sqrt{11} - \sqrt{3})^2$$

67) \_\_\_\_\_

A)  $8 - 2\sqrt{33}$

B)  $14 - 2\sqrt{33}$

C)  $14 + 2\sqrt{33}$

D)  $33 - 2\sqrt{33}$

$$68) (8\sqrt{7} + 8)(5\sqrt{7} + 3)$$

68) \_\_\_\_\_

A)  $64\sqrt{7} + 24$

B)  $24 + 40\sqrt{7^2} + 24\sqrt{7}$

C)  $88\sqrt{7}$

D)  $304 + 64\sqrt{7}$

69)  $11\sqrt[4]{x^7} - 3x\sqrt[4]{x^3}$  69) \_\_\_\_\_  
 A)  $8x\sqrt[4]{x^3}$  B)  $11\sqrt[4]{x^7} - 3x\sqrt[4]{x^3}$   
 C)  $8x\sqrt[4]{x^7}$  D)  $14\sqrt[4]{x^3}$

70)  $3\sqrt{12} - 4\sqrt{108} + 2\sqrt{48}$  70) \_\_\_\_\_  
 A)  $-52\sqrt{3}$  B)  $52\sqrt{3}$  C)  $-10\sqrt{3}$  D)  $3\sqrt{3}$

Simplify the radical expression. Assume that all variables represent positive real numbers.

71)  $\sqrt[3]{\frac{-3a^5 b^6}{375a^2}}$  71) \_\_\_\_\_  
 A)  $-\frac{a b^2}{5}$  B)  $-5a b^2$  C)  $\frac{a b^2}{5}$  D) Not real

72)  $\sqrt[3]{-27a^{11}b^{13}}$  72) \_\_\_\_\_  
 A)  $3\sqrt[3]{a^{13}b^{11}}$  B)  $3a^2b\sqrt[3]{a^3b^4}$  C)  $3ab\sqrt[3]{a^5b^4}$  D)  $-3a^3b^4\sqrt[3]{a^2b}$

73)  $\frac{\sqrt{56x^5y^6}}{\sqrt{2y^4}}$  73) \_\_\_\_\_  
 A)  $2x^4y^2\sqrt{7xy}$  B)  $4x^2y\sqrt{7x}$  C)  $2x^2y\sqrt{7x}$  D)  $28xy\sqrt{x}$

Rationalize the denominator.

74)  $\frac{7}{\sqrt{6x}}$  74) \_\_\_\_\_  
 A)  $\frac{42\sqrt{6x}}{6x}$  B)  $\frac{\sqrt{6x}}{6x}$  C)  $\frac{42\sqrt{x}}{x}$  D)  $\frac{7\sqrt{6x}}{6x}$

Rationalize the denominator and simplify. Assume that all variables represent positive real numbers.

75)  $\frac{-4}{\sqrt{x+9}}$  75) \_\_\_\_\_  
 A)  $\frac{36 + 4\sqrt{x}}{x + 81}$  B)  $\frac{36 - 4\sqrt{x}}{x - 81}$  C)  $\frac{36 + 4\sqrt{x}}{x - 81}$  D)  $\frac{36 - 4\sqrt{x}}{x^2 - 81}$

Solve. You MUST check all proposed solutions.

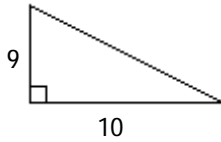
76)  $\sqrt{x+3} = 2$  76) \_\_\_\_\_  
 A) 4 B) 1 C) -3 D)  $\emptyset$

Solve.

77)  $x - \sqrt{22x + 33} = -7$  77) \_\_\_\_\_  
 A) -3 B) 2 C) 4 D) -4

Use the Pythagorean theorem to find the unknown side of the right triangle.

78)



A) 19

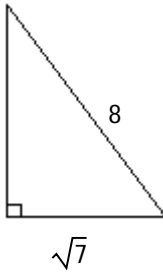
B) 181

C)  $\sqrt{19}$

D)  $\sqrt{181}$

78) \_\_\_\_\_

79)



A) 57

B)  $\sqrt{71}$

C)  $\sqrt{57}$

D)  $\sqrt{15}$

79) \_\_\_\_\_

Perform the indicated operation. Write the result in the form  $a + bi$ .

80)  $(5 + 4i)(5 - 3i)$

A)  $25 - 12i^2$

B)  $25 + 0i$

C)  $25 + 5i - 12i^2$

D)  $37 + 5i$

80) \_\_\_\_\_

81)  $7i(8 + i)$

A) 63

B)  $63i$

C)  $7 - 56i$

D)  $-7 + 56i$

81) \_\_\_\_\_

82)  $\frac{6 + 4i}{9 + 5i}$

A)  $\frac{34}{53} - \frac{66}{53}i$

B)  $\frac{37}{56} + \frac{3}{56}i$

C)  $\frac{17}{28} + \frac{3}{56}i$

D)  $\frac{37}{53} + \frac{3}{53}i$

82) \_\_\_\_\_

83)  $\frac{8 + 9i}{8 - 9i}$

A)  $1 + \frac{144}{145}i$

B)  $1 - \frac{144}{17}i$

C)  $-\frac{145}{17} + \frac{144}{17}i$

D)  $-\frac{17}{145} + \frac{144}{145}i$

83) \_\_\_\_\_

Answer Key

Testname: MATH0021 FE REIIEW FALL2018

- |       |       |
|-------|-------|
| 1) D  | 51) D |
| 2) C  | 52) B |
| 3) D  | 53) D |
| 4) C  | 54) C |
| 5) D  | 55) D |
| 6) B  | 56) C |
| 7) A  | 57) B |
| 8) C  | 58) A |
| 9) A  | 59) B |
| 10) B | 60) C |
| 11) B | 61) B |
| 12) B | 62) C |
| 13) A | 63) C |
| 14) C | 64) B |
| 15) A | 65) B |
| 16) C | 66) B |
| 17) D | 67) B |
| 18) C | 68) D |
| 19) D | 69) A |
| 20) A | 70) C |
| 21) C | 71) A |
| 22) D | 72) D |
| 23) D | 73) C |
| 24) B | 74) D |
| 25) C | 75) B |
| 26) A | 76) B |
| 27) B | 77) C |
| 28) B | 78) D |
| 29) B | 79) C |
| 30) B | 80) D |
| 31) D | 81) D |
| 32) B | 82) D |
| 33) A | 83) D |
| 34) A |       |
| 35) D |       |
| 36) B |       |
| 37) A |       |
| 38) A |       |
| 39) B |       |
| 40) D |       |
| 41) B |       |
| 42) A |       |
| 43) D |       |
| 44) C |       |
| 45) A |       |
| 46) A |       |
| 47) C |       |
| 48) A |       |
| 49) C |       |
| 50) A |       |