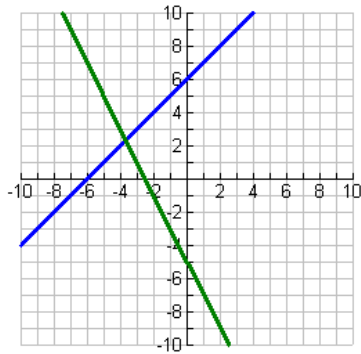
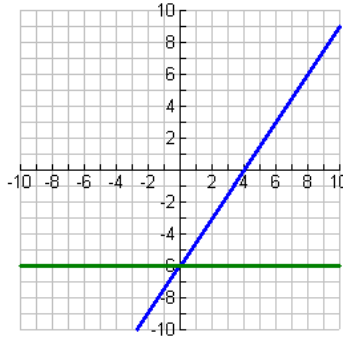


Answers Algebra I Problem Set 26

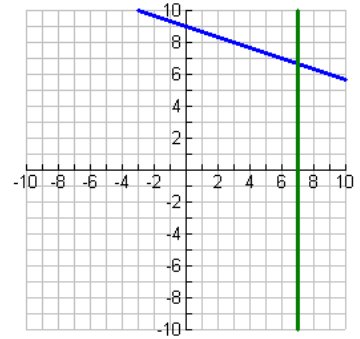
1.



2.



3.



4. $x = 17$

5. $y = -5$

6. $z = -6$

7. $a = 25$

8. $b = 2$

9. $c = -\frac{1}{2}$

10. $s = \frac{6}{5}$

11. $t = -2$

12. $3x^2 - 29$

13. $-2a^2b - 2ab$

14a) -16

b) 16

c) -9

d) 9

15a) -2

b) 4

c) -5

d) 7

16. -3

17. $3\sqrt{3} + \sqrt{5}$

18a) 0

b) undefined

19a) $\frac{1}{3}$

b) 1

20. 26

21. -6

22. -3 and -13

23. 20 and 6

24. $x = 4$ inches, $y = 30^\circ$

25. $x = 21$ centimeters, $y = 75^\circ$

26. $P = 14.8$ ft

$A = 13.69$ ft²

27. $P = 17\frac{7}{15}$ ft

$A = 18\frac{2}{15}$ ft²

28. $-2\frac{13}{24}$

29. $9\frac{11}{12}$

30. $\frac{51}{112}$

Answers Algebra I Problem Set 27

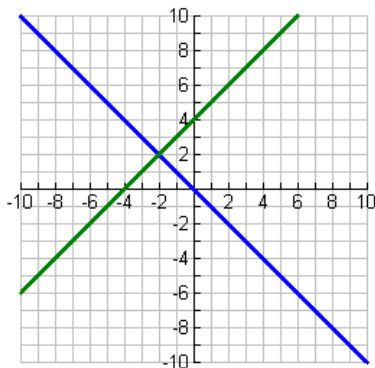
1. $y = 3$

2. $y = -x + 6$

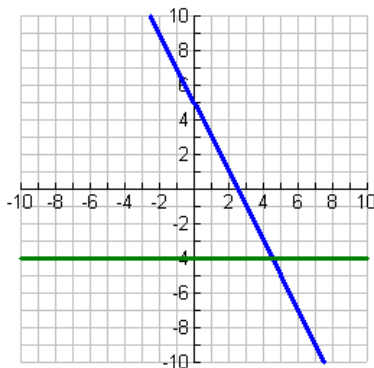
3. $y = \frac{2}{3}x + 3$

4. $y = x + 4$

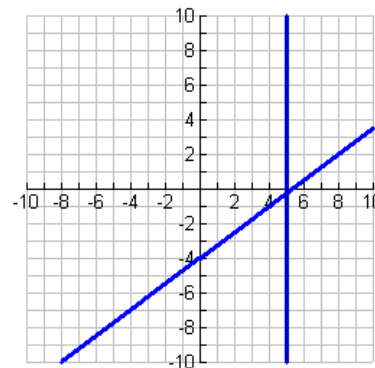
5. $y = x + 7$ 6. $y = \frac{7}{3}x - 6$ 7. $y = -\frac{3}{2}x + 8$ 8. $y = 8x + 3$
9. $x = 109$ 10. $c = 4$



11.



12.



13.

14. $7x^2 - 11x + 22$ 15. $-2y^2 - 5x^2y^2$ 16. 6 17. 29

18. $f(3) = 6$ $f\left(\frac{1}{2}\right) = \frac{9}{4}$ 19. $g(4) = 6$ $f\left(\frac{1}{3}\right) = \frac{10}{9}$

20. $P = 16\frac{4}{5}$ in $A = 17\frac{16}{25}$ in² 21. $P = 31.2$ in $A = 40.56$ in²

- 22a) -16 b) 9 c) -121 d) 16

- 23a) 13 b) -6 c) -1 d) 0

- 24a) 2 b) 2 25a) undefined b) 0

26. 0.134 27. $2\sqrt{3} - 2\sqrt{2}$ 28. $\frac{11}{12}$ 29. $10\frac{1}{12}$

30. $1\frac{1}{3}$

Answers Algebra I Problem Set 28

1. 17 2. 44 3. -8 4. 25

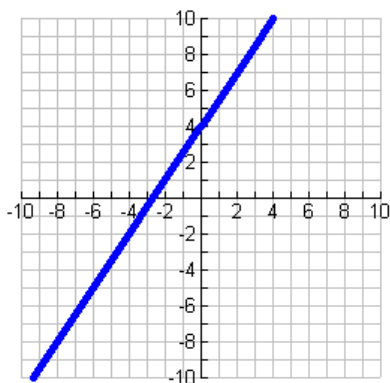
5. -41 6. 73 7. -83 8. 146

9. $m = 3x + 4y - 7$

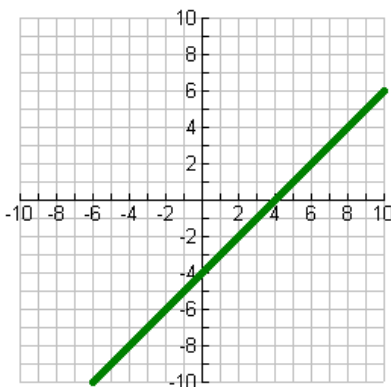
10. $m = \frac{-3k}{2}$

11. $m = \frac{5d}{4} - \frac{5}{4}$

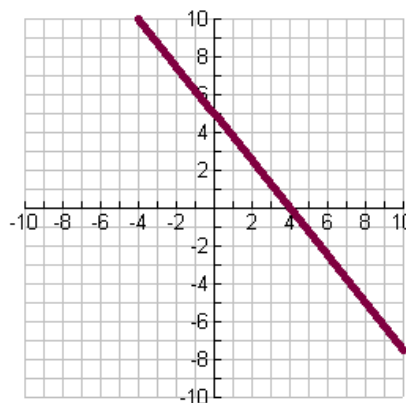
12. $y = \frac{3}{2}x + 4$



13. $y = x - 4$



14. $y = -\frac{5}{4}x + 5$



15. $x = -7$

16. $x = 3$

17. $x = 5$

18. $n = 6$

19. $d = -5$

20. $p = 2$

21. $y = 4$

22. $x = \frac{5}{3}$

23. $w = -1$

24. 4

25. 36

26. -27

27. 80 units²

28. $13\sqrt{2}$

29. $-\frac{7}{12}$

30. $\frac{32}{39}$

Answers Algebra I Problem Set 29

1a) x^5

b) x^7

2a) y^9

b) y^{10}

3a) z^{14}

b) z^7

4a) a^7

b) a^{18}

5a) x^5y^8

b) a^3b^6

6a) x^5y^8

b) $a^{10}b^7$

7a) $-8x^8y^3$

b) $-24a^5b^6$

8a) $-12x^7$

b) $30x^2y^4$

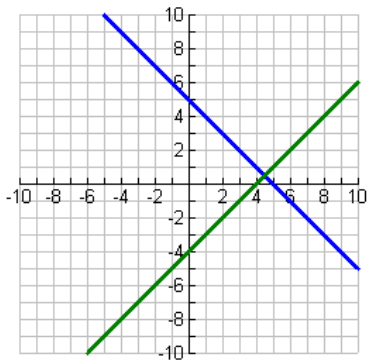
9. 10

10. -71

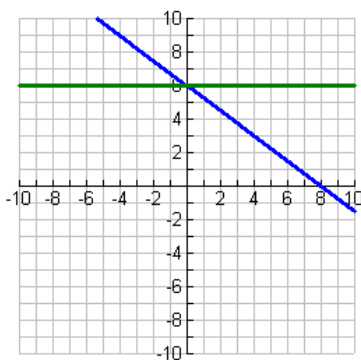
11. $y = \frac{1}{4}x - 3$

12. $y = \frac{11}{6}x + \frac{1}{2}$

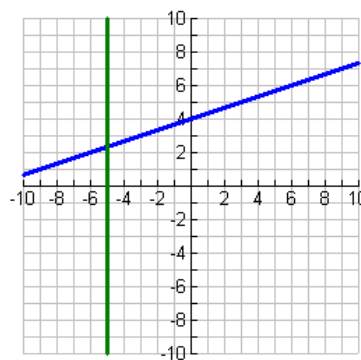
13. $y = -\frac{2}{11}x + \frac{23}{11}$



14.



15.



16.

17. $x = 7$

18. $y = 4.3$

19. $f(6) = 0$

$f(-3) = -27$

20. $g(5) = 0$

$g(-2) = 0$

21a) 0

b) undefined

22a) -81

b) 72

23. -13

24. $17x^2 - 18x + 29$

25. $-7y^2 + 6x^2y^2$

26. $P = 28$ in

$A = 49$ in²

27. $P = 38$ in

$A = 84$ in²

28. $3\frac{11}{15}$

29. 9

30. $2\sqrt{5} - 8\sqrt{3}$

Answers Algebra I Problem Set 30

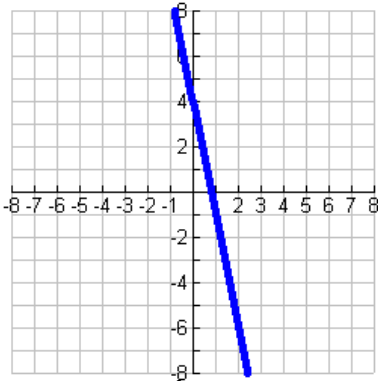
1. $y = -\frac{3}{4}x + 3$

2. $y = -2x + 7$

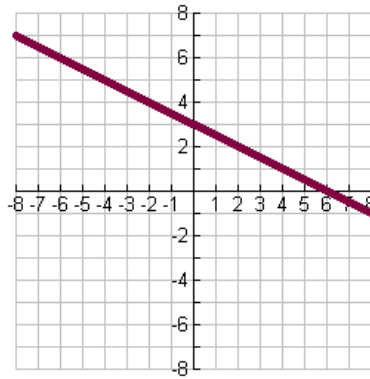
3. $y = \frac{1}{5}x + 2$

4. $y = -\frac{3}{2}x + 4$

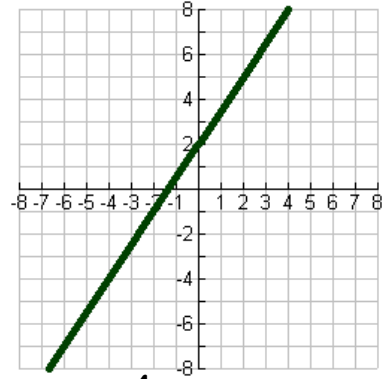
5. $y = -5x + 4$



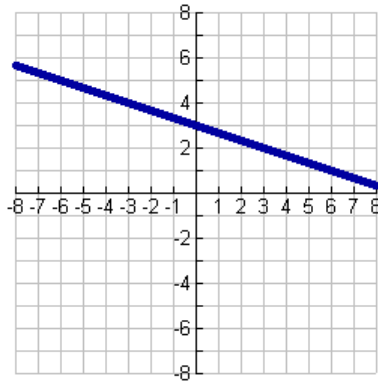
6. $y = -\frac{1}{2}x + 3$



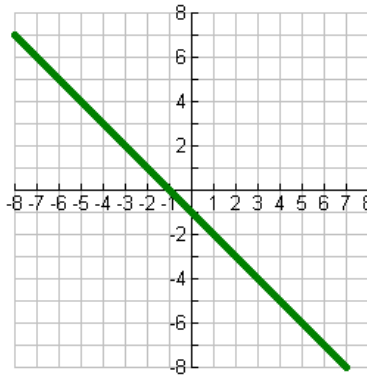
7. $y = \frac{3}{2}x + 2$



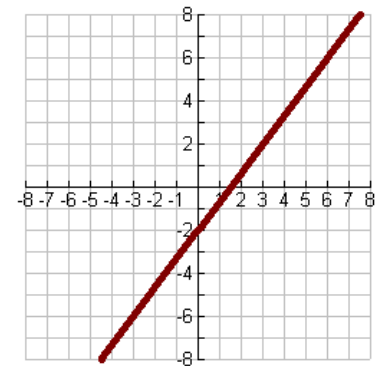
8. $y = -\frac{1}{3}x + 3$



9. $y = -x - 1$



10. $y = \frac{4}{3}x - 2$



11. $x = -17$

12. $y = -2$

13. $z = 4$

14. $a = 2$

15. $b = \frac{10}{9}$

16. $c = -\frac{5}{3}$

17. 16

18. 28

19. -6

20. -6

20. $f(3) = f(-3) = -19$

22. $-5x^2 + 10y + 10$

23. $1 + 4r + 4w$

24. $-3x^2 + 14x + 14$

25. $x^2 + 33x - 14$

26a) x^4y^7

27a) $-24x^4y^5$

b) a^8b^6

b) $60a^5b^5c^5$

28a) $72x^8y^7$

29. -22

30. 15

b) $-144a^7b^4$

9

8