

Honors Algebra 2 Summer Assignment Answers

1. -14

2. $-\frac{6}{41}$

3. -6

4. -10

5. 2

6. -13

7. $-\frac{15}{8}$

8. $\frac{25}{16}$

9. $\frac{161}{16}$

10. $5m^2 - 23m - 16$

11. $10x^2 + 3x - 27$

12. $6x^3 + x^2 - 17x + 3$

13. $22n - 50$

14. $9m^2 + 12mn + 4n^2$

15. $-20x^2y + 20xy^2 + 36x^2$

16. $\frac{3}{4a^6}$

17. $\frac{5z^8}{6x^3y^7}$

18. $\frac{9a^4}{16}$

19. $-27c^{24}$

20. $24a^9b^{12}$

21. $72x^{12}$

22. $u = 13$

23. $c = 0$

24. $n = -2$

25. *No solution*

26. $x = -12$

27. $x = \frac{18}{37}$

28. $x < -\frac{2}{3}$

29. $x < \frac{1}{22}$

30. $1 < a < 9$

31. $-32 < m < 7$

32. $x \leq -5$ or $x > 2$

33. *All real numbers*

34. $0 < h < 4$

35. $x \leq -1$

36. $x = 8, -8$

37. $x = -3, 13$

38. $x = -3, -14$

39. $x = \frac{26}{3}, \frac{4}{3}$

40. *No solution*

41. $x = 6, -3$

42. $x < -4$ or $x > 4$

43. $-6 < x < 8$

44. $-2 \leq x \leq 9$

45. $x < -6$ or $x > 6$

46. $-2 \leq x \leq 10$

47. $x < -4$ or $x > 6$

48. $m = -\frac{3}{2}$

49. $m = \frac{2}{3}$

50. $m = 0$

51. $m = \frac{3}{2}$

52. $m = \frac{2}{3}$

53. *m is undefined*

54. $y = \frac{5}{3}x - \frac{19}{3}$

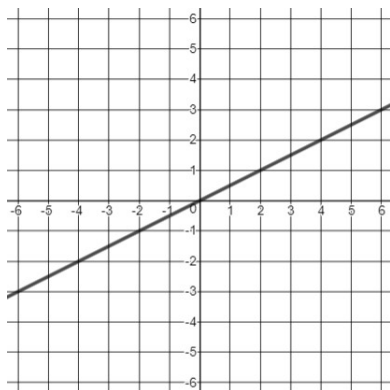
55. $y = -\frac{4}{5}x + \frac{13}{5}$

56. $x = 1$

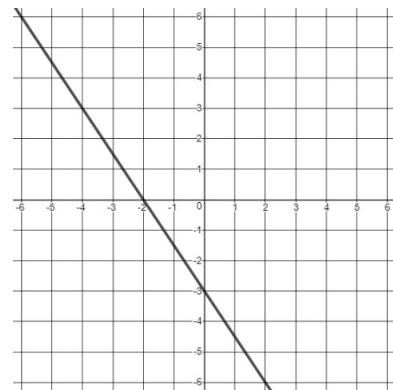
57. $y = -\frac{3}{5}x - 10$

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

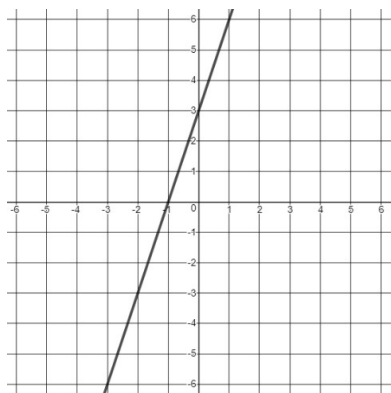
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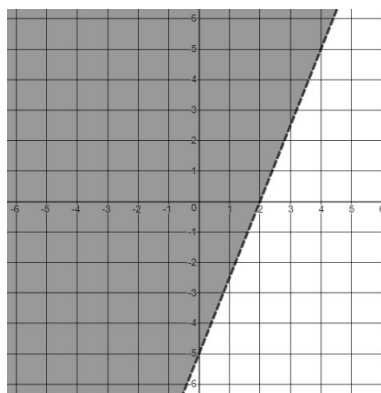
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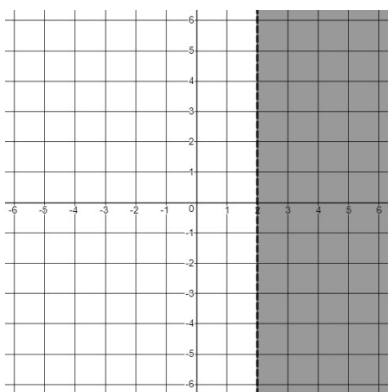
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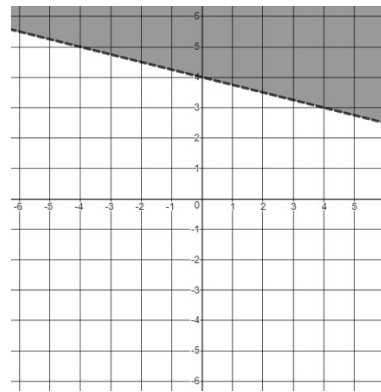
62.



63.



64.



65. $(-1, 2)$; *consistent and independent*

66. $(2, 1)$; *consistent and independent*

67. *infinitely many solutions; consistent and dependent*

68. $(\frac{5}{2}, -2)$

69. $(4, 0)$

70. *infinitely many solutions* 71. $(0, -8)$