

## Semester 1 Final Exam Review Answers

1. (a)

2. (c)

3. (a)

4. (b)

5. (b)

6. (d)

7.  $-2x$

9.  $-5B$

11.  $8x - 40$

13.  $-15x + 26y$

15. (c)

16. (a)

17. (d)

18. (b)

19. (c)

20.  $x = 8$

23.  $-x + 9$

26.  $8x - 44$

29.  $x = \frac{19}{13}$

32.  $x = -\frac{167}{60}$

35. (a)

36. (b)

37. (d)

38. (a)

39. (c)

8.  $3x - 5y$

10.  $-x^2 - 3x$

12.  $-20x^2 + 10x$

14.  $-13x + 3$

21.  $x = \frac{5}{6}$

24.  $x = \frac{1}{2}$

27.  $x = \frac{11}{3}$

30.  $w = 60$

33.  $x = -\frac{3}{110}$

22.  $x = 0$

25.  $x = -\frac{17}{4}$

28.  $2x + 39$

31.  $-3x - 5$

34.  $-p - 37$

40. (b)

41. (b)

42. (c)

43. (a)

44. (a)

45. (b)

46.  $A = \frac{D - 3C}{B}$  or  $A = \frac{D}{B} - \frac{3C}{B}$

47.  $D = -E + LM$  or  $D = LM - E$

48.  $y = -2x - 4$

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

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

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

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

53.  $x = -\frac{1}{3}$

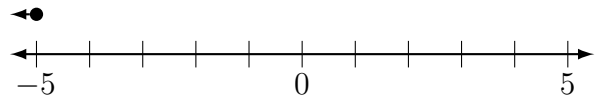
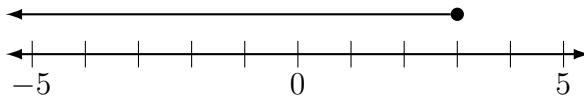
54.  $x = -24$

55.  $x = 12$

56.  $x = -60$

57.  $x \leq 3$

58.  $x \leq -5$



59. (c)

60. (b)

61. (a)

62. (a)

63. (b)

64. (a)

65. (d)

66. (b)

67. (a)

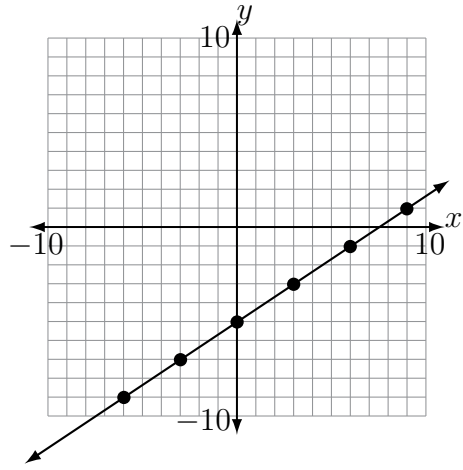
68. (b)

69. (d)

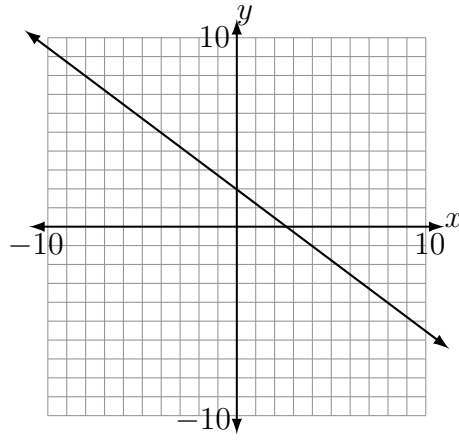
70. (a)

71.

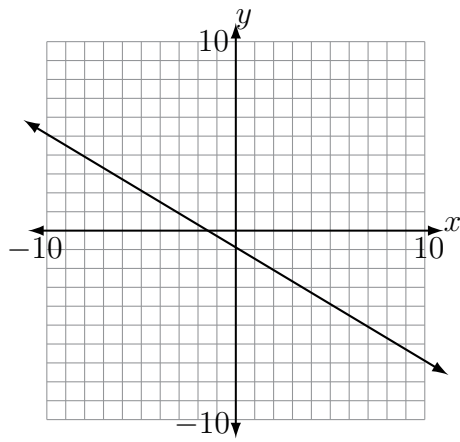
$x$	$y$
-9	-11
-6	-9
-3	-7
0	-5
3	-3
6	-1
9	1



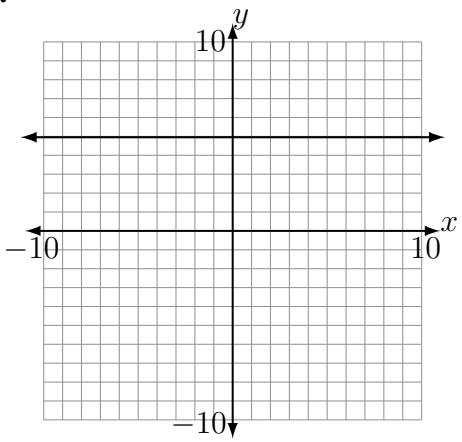
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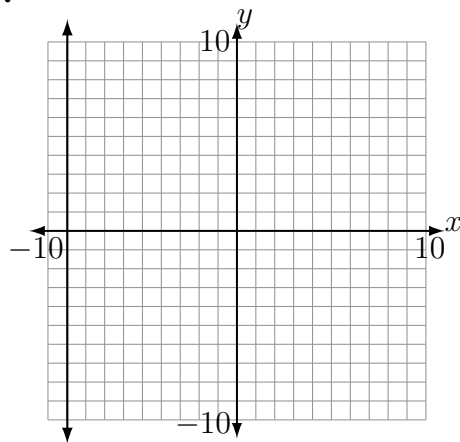
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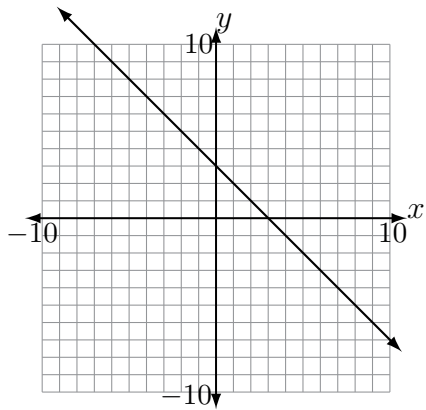
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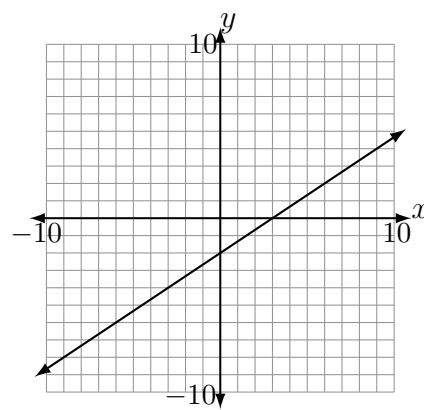
75.



76.  $y = -x + 3$



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

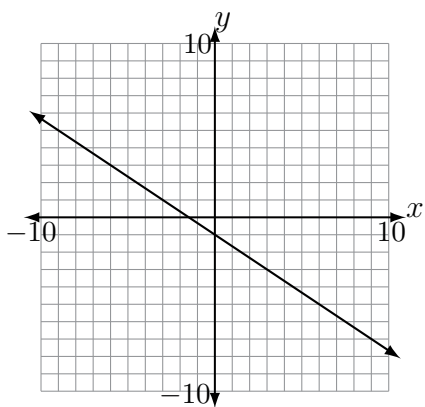


78.  $-1$

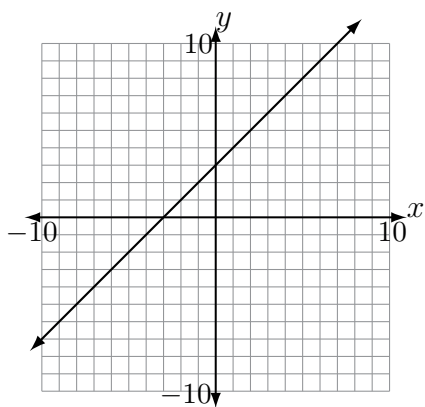
79.  $0$

80.  $-\frac{6}{5}$

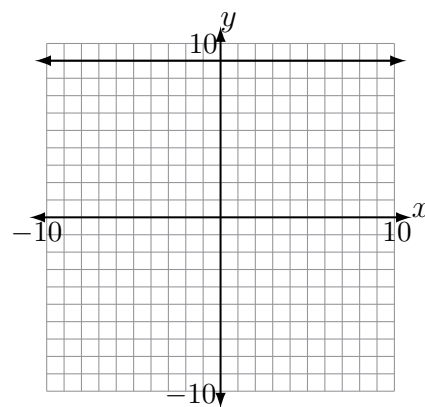
81.  $y = -\frac{2}{3}x - 1$



82.  $y = x + 3$



83.  $y = 9$



84.  $y = -7x - 11$

85.  $y = -\frac{4}{3}x + 6$

86.  $y = -6x + 9$

87.  $y = -\frac{9}{4}x + \frac{15}{4}$

88.  $y = -9$

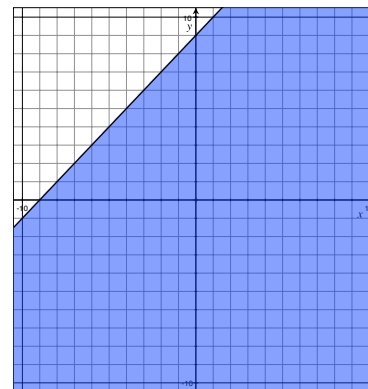
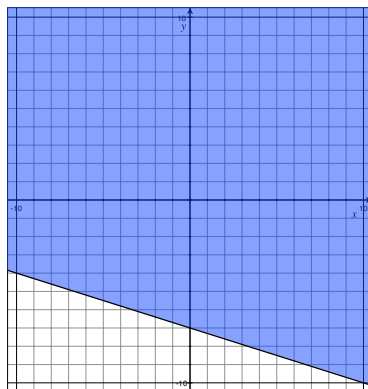
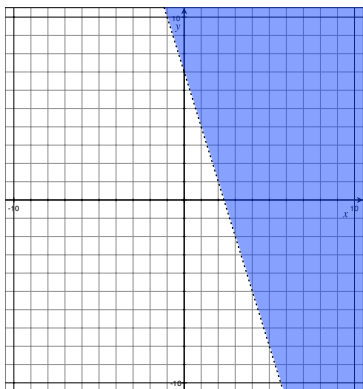
89.  $y = \frac{7}{9}x - 10$

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

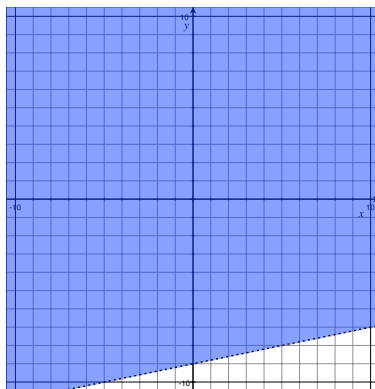
91.  $y > -3x + 7$

92.  $y \geq -\frac{3}{10}x - 7$

93.  $y \leq x + 9$



94.  $y > \frac{1}{5}x - 9$



(a)  $(0, 0)$  - Yes

(b)  $(9, -2)$  - Yes

(c)  $(-3, -4)$  - Yes

(d)  $(10, -7)$  - No

95.  $y \leq \frac{5}{2}x$

96.  $x \leq -6$

97.  $y \leq -\frac{2}{5}x + 2$