

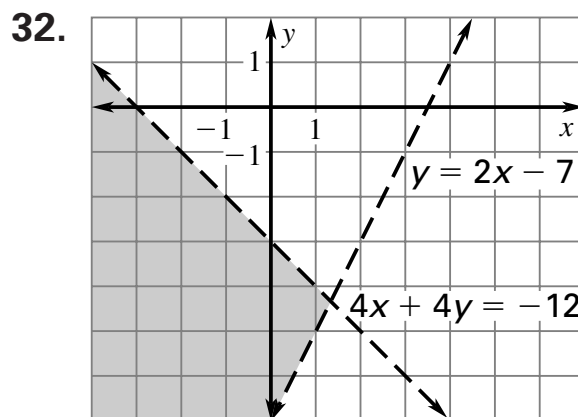
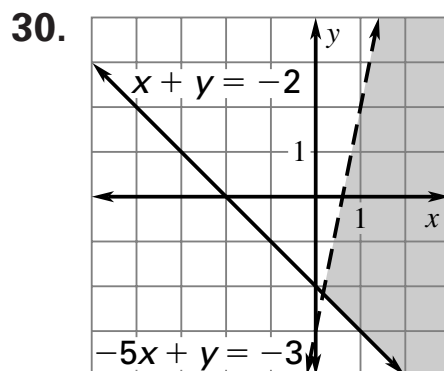
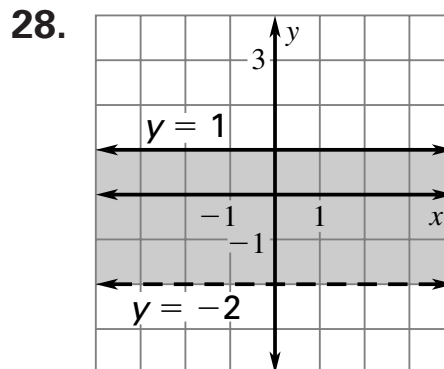
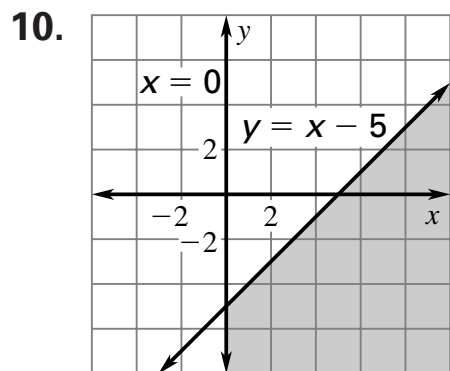
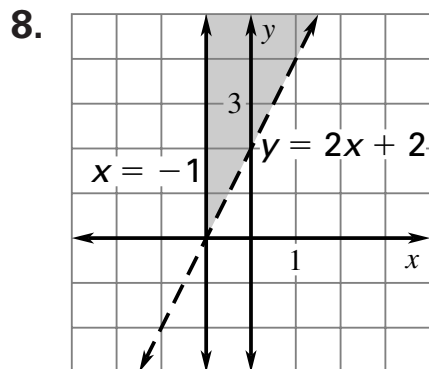
ANSWERS FOR 3.3

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3.3 Guided Practice

2. because it does not satisfy inequality 1; $-5 \not\geq 2$

4. yes 6. no



3.3 Practice and Applications

12. yes 14. yes

16. *Sample answer:* (0, 0)

18. *Sample answer:* (0, 2)

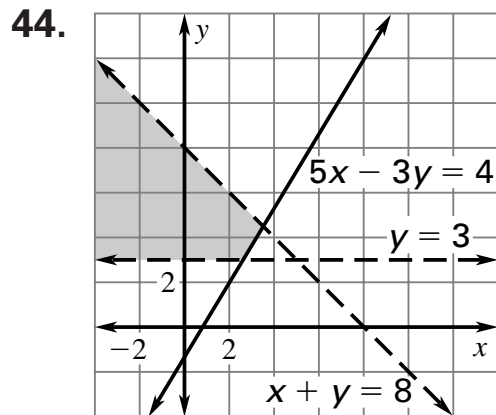
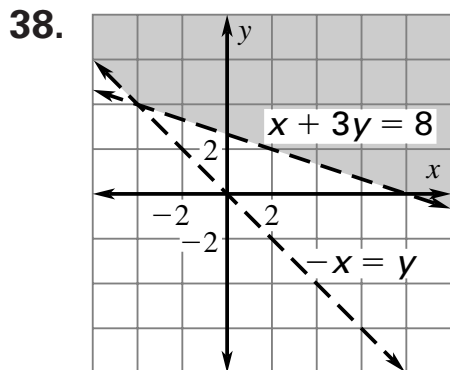
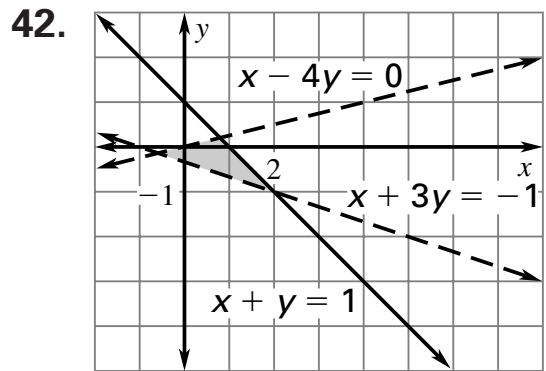
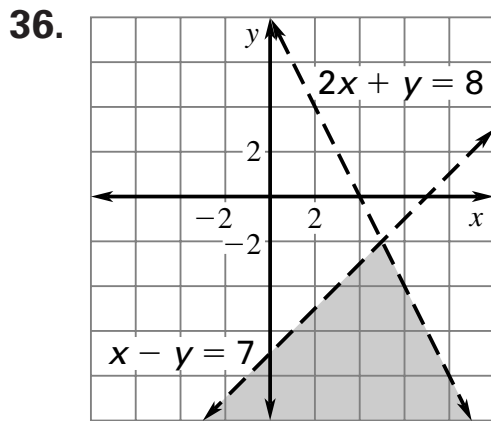
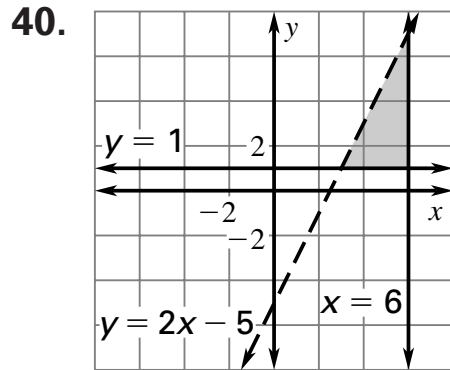
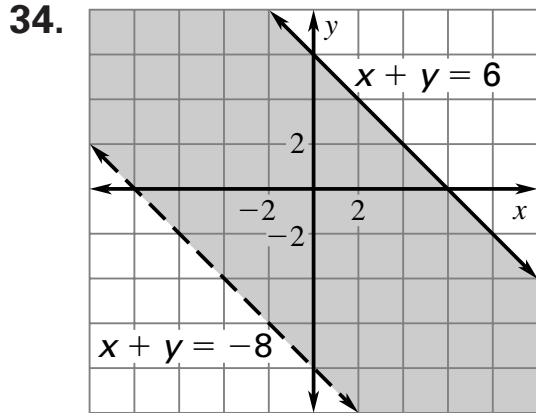
20. *Sample answer:* (-3, 5)

22. B 24. E

26. D

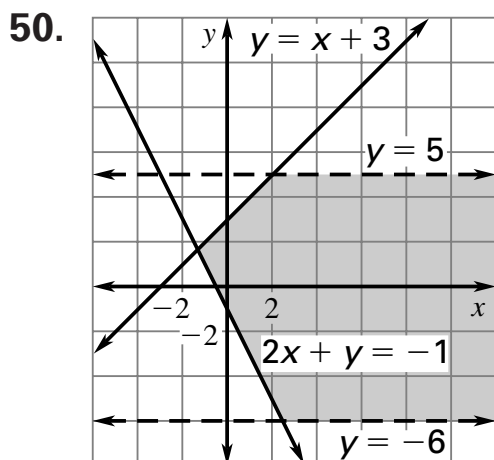
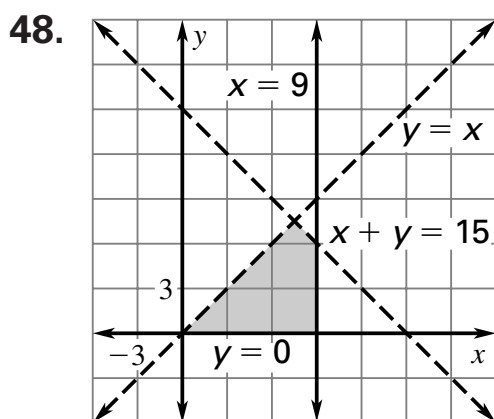
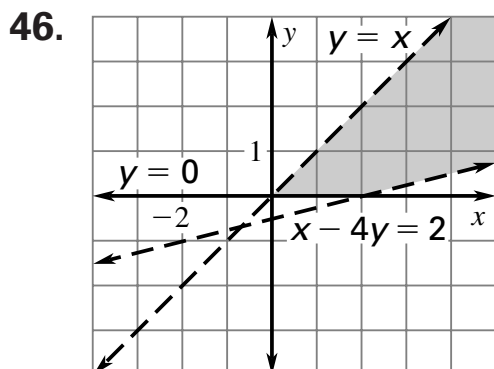
ANSWERS FOR 3.3 (CONT.)

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ANSWERS FOR 3.3 (CONT.)

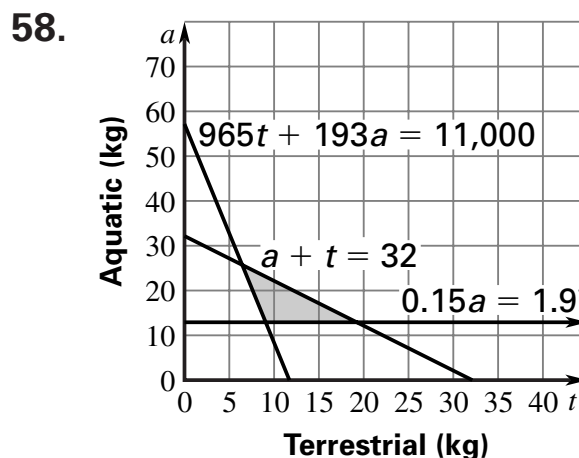
For use with pages 159–162



52. $y \geq 3.7x + 91$
 $y \geq 4.9x + 119$

54. $y \geq 142.8 \text{ lb}; y \leq 187.6 \text{ lb}$

56. \$48.75 to \$58.50



$0.15a \geq 1.9;$
 $965t + 192a \geq 11,000;$
 $a + t \leq 32$

60. A

62. $x \geq 1; x \leq 8$
 $y \geq -5; y \leq 3$

64. $y \leq 4x - 27; y \leq -x + 12$
 $y \geq \frac{2}{3}x + 7$

3.3 Mixed Review

66. -11 68. -46

70. positive correlation

72. negative correlation

74. (9, 4) 76. $\left(\frac{5}{7}, 1\right)$

78. infinitely many solutions