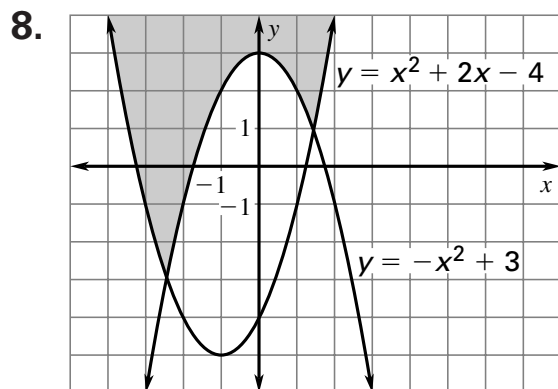
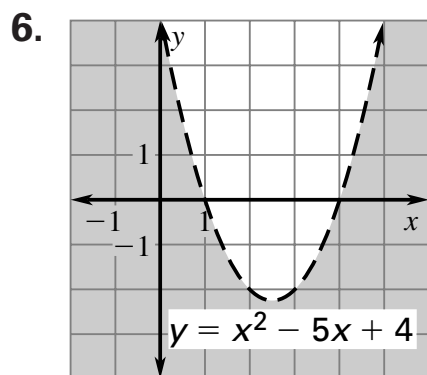
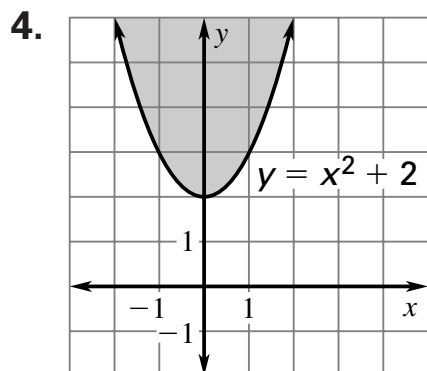


ANSWERS FOR 5.7

For use with pages 303–305

5.7 Guided Practice

2. *Sample answer:* $y \geq x^2$ includes points on the graph of $y = x^2$ while $y > x^2$ does not.



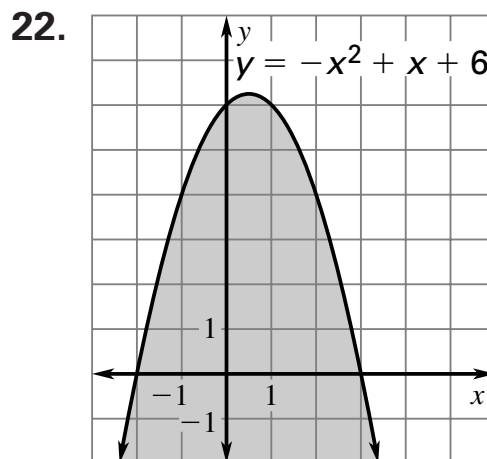
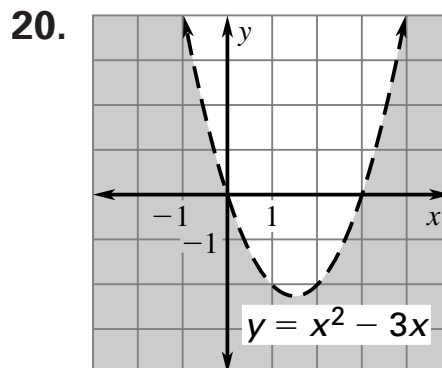
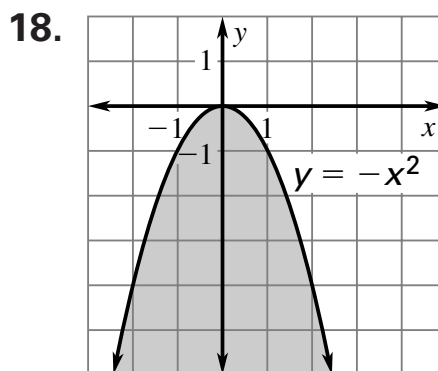
10. $-2 < x < 2$

12. $x < -1$ or $x > 4$

5.7 Practice and Applications

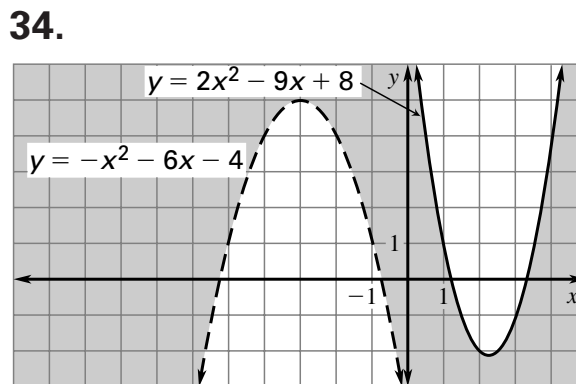
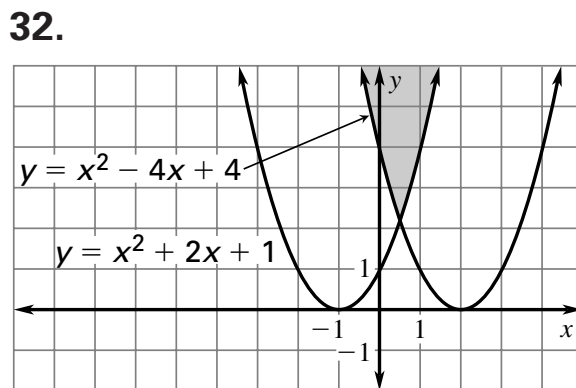
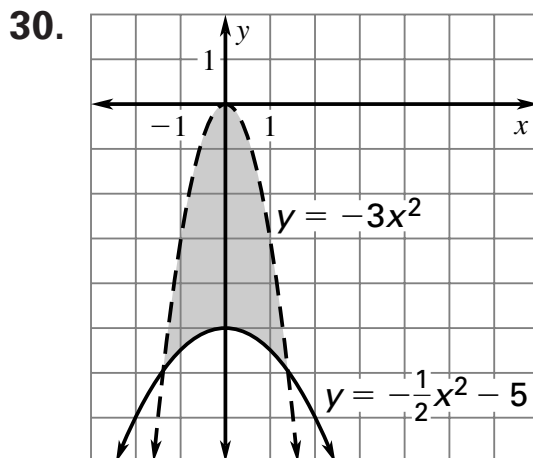
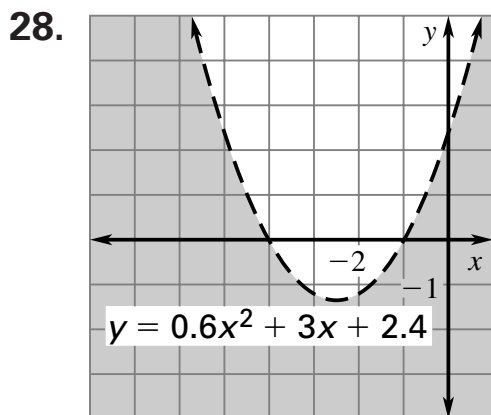
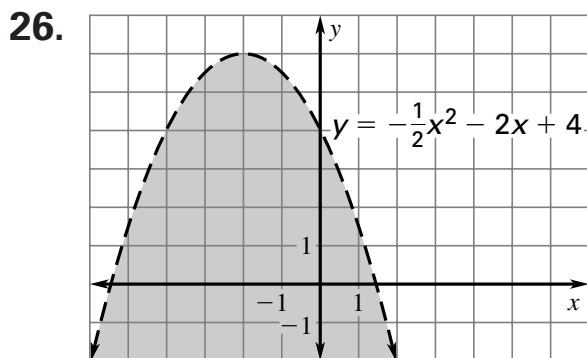
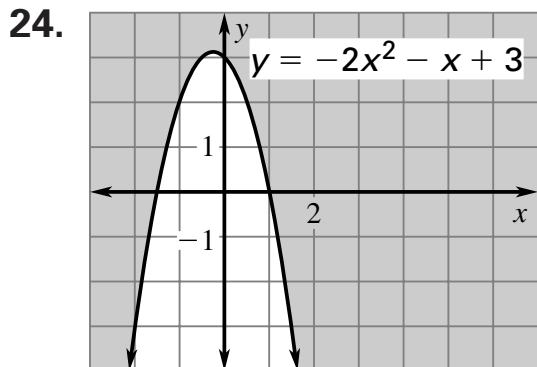
14. B

16. A



ANSWERS FOR 5.7 (CONT.)

For use with pages 303–305



36. $x \leq \frac{1}{2}$ or $x \geq 3$

38. $-1.8 < x < 2.8$

ANSWERS FOR 5.7 (CONT.)

For use with pages 303–305

40. no real solutions

42. $\frac{1}{3} \leq x \leq 5$

44. $x < -8$ or $x > -4$

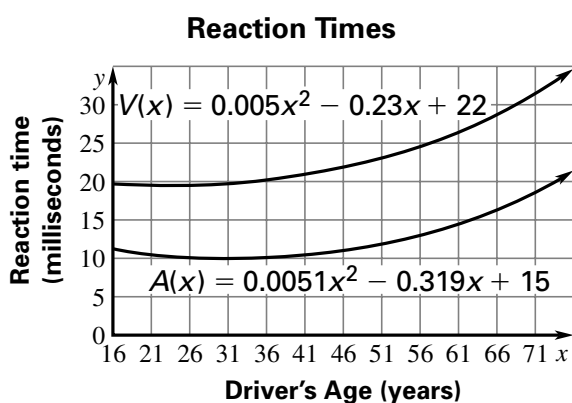
46. no real solutions

48. no; yes

50. a. $400 \leq x \leq 1012.6$

b. Decreases; there is an oversupply of timber.

52. a.



b. *Sample answer:* $A(x)$ is always less than $V(x)$.

c. *Sample answer:* siren; since audio stimuli reaction time is less than visual stimuli reaction time.

5.7 Mixed Review

54. $y = 1 - 3x$

56. $y = \frac{9}{5} + \frac{2}{5}x$

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

60. $(-1, 2, 3)$

62. $13 + 3i$ 64. $5 + 2i$

66. $-6 + 48i$

68. $\frac{3 + i}{10}$