

7. $0 \ge x^2 + 5$

8. $12 \le x^2 - 7x$ **9.** 2:

9. $2x^2 + 2 > -5x$

Write a quadratic function whose graph has the given characteristics. (p. 309)

10.	vertex: (5, 7)	11. <i>x</i> -intercepts: -3, 5	12. passes through:
	passes through: (3, 11)	passes through: $(7, -40)$	(-1, 2), (4, -23), (2, -7)

13. SPORTS A person throws a baseball into the air with an initial vertical velocity of 30 feet per second and then lets the ball hit the ground. The ball is released 5 feet above the ground. How long is the ball in the air? *(p. 292)*