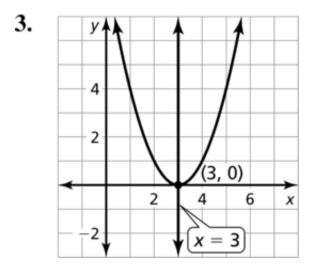
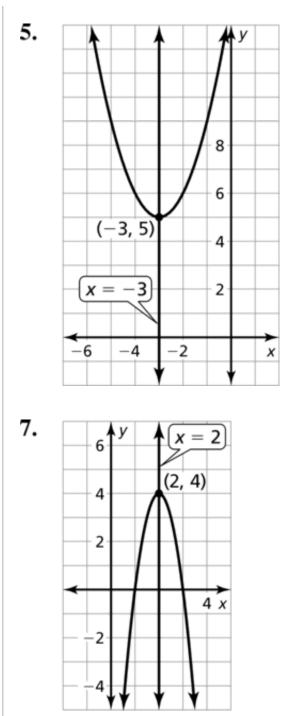
Answer Presentation Tool

Book	Algebra 2 Chapter	2 •
Section	2 - Exercises	
Exercises	1, 2, 3-17 odd, 21-29 odd (88 exercises)	
Display Cols	1 ▼ Show Answers	

- 1. If *a* is positive, then the quadratic function will have a minimum. If *a* is negative, then the quadratic function will have a maximum.
- 2. $f(x) = 3x^2 + 24x 6$; It is the only function that does not have x-intercepts at x = -2 and x = 4, and a vertex at (-1, -27).



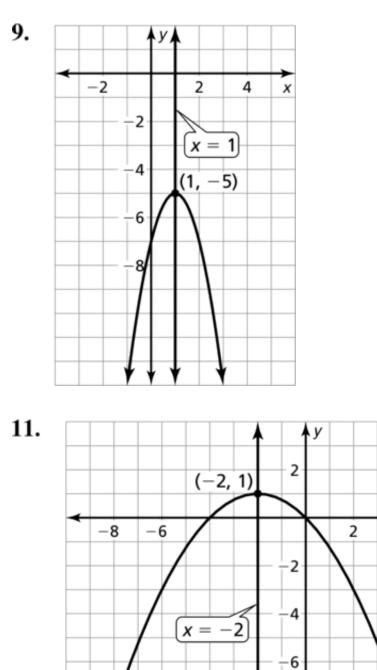


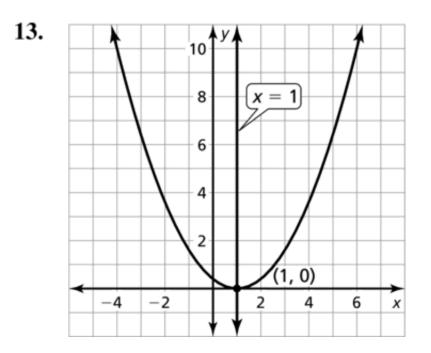
4

8

-10

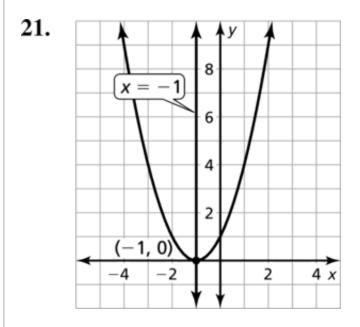
x

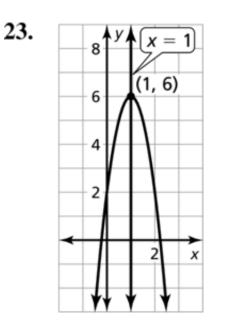




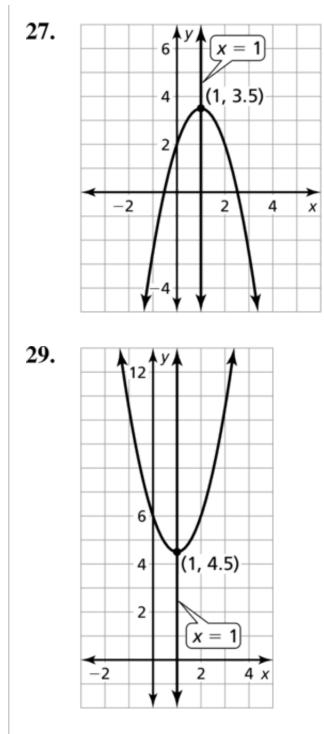
15. C

17. B





25. 2^{4} -4 (0, -1) 2^{4} 4^{2} -4 -4 -6 -6 -8 -10 x = 0



- **39.** The minimum value is -1. The domain is all real numbers and the range is $y \ge 1$. The function is decreasing to the left of x = 0 and increasing to the right of x = 0.
- 41. The maximum value is 2. The domain is all real numbers and the range is $y \le 2$. The function is increasing to the left of x = -2 and decreasing to the right of x = -2.

- 43. The maximum value is 15. The domain is all real numbers and the range is y ≤ 15. The function is increasing to the left of x = 2 and decreasing to the right of x = 2.
- 45. The minimum value is -18. The domain is all real numbers and the range is $y \ge -18$. The function is decreasing to the left of x = 3 and increasing to the right of x = 3.
- 47. The minimum value is -7. The domain is all real numbers and the range is y ≥ -7. The function is decreasing to the left of x = 6 and increasing to the right of x = 6.