Answer Presentation Tool

Book | Algebra 2 ▼ | Chapter | 2 ▼ |

Section | 4 - Exercises ▼ |

Exercises | 2, 3, 5, 9, 11, 21, 27 | (41 exercises)

Display Cols | 1 ▼ | **Show Answers**

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2. What is the distance from $f(0)$ to $f(2)$? $\sqrt{8}$ units, or about 2.8 units; -1

3. $y = -3(x + 2)^2 + 6$

5. $y = 0.06(x - 3)^2 + 2$

9. $y = -4(x - 2)(x - 4)$

11. $y = \frac{1}{10}(x - 12)(x + 6)$

21. The x-intercepts were substituted incorrectly.

$y = a(x - p)(x - q)$
$4 = a(3 + 1)(3 - 2)$
$a = 1$
$y = (x + 1)(x - 2)$

27.   **a.**   parabola; not a constant rate of change

      b. $y = -16x^2 + 280$

      c.   about 4.18 sec

      d.   The domain is $0 \le t \le 4.18$ and represents the time the sponge was in the air. The range is $0 \le h \le 280$ and represents the height of the sponge.