

Answers to 6.3 Writing Equations from Key Features

1) $y = \frac{1}{3}(x - 2)(x + 4)$

3) $y = -(x + 2)(x - 4)$

5) $y = (x + 2)(x - 9)$

7) $y = -\frac{3}{8}(x - 3)^2 - 3$

9) $y = \frac{2}{3}(x - 4)^2$

- 11) a. 16 feet
b. 4 seconds
c. 15 feet, 12 feet
d. 8 seconds
e. Domain: $[0, 8]$
Range: $[0, 16]$