2.4 Practice A

1. $y = \frac{7}{16}(x - 2)^2 - 3$ 2. $y = -\frac{1}{18}(x - 3)^2 - 8$

3. $y = -9(x + 1)^2 + 4$ 4. $y = \frac{8}{5}(x - 10)(x - 6)$

5. $y = \frac{3}{16}(x - 2)(x - 8)$

6. $y = -\frac{2}{7}(x + 14)(x + 2)$

7. a. $y = -\frac{5}{9}(x - 1)^2 + 5$

   b. $y = -\frac{5}{9}x^2 + \frac{10}{9}x + \frac{40}{9}$

   c. $y = -\frac{5}{9}(x + 2)(x - 4)$

   d. $y = -\frac{5}{9}x^2 + \frac{10}{9}x + \frac{40}{9}$

   e. yes; intercept form; Two intercepts were given.

8. 9.21 ft