

## 16.4 Homework

**Solve each equation by factoring.**

1)  $b^2 = 4b$

2)  $4k^2 - 28k = 32$

3)  $p^2 + 24 = -11p$

4)  $x^2 = -16 - 10x$

**Solve each equation with the quadratic formula.**

5)  $3x^2 = -7 - 10x$

6)  $8x^2 = -5x + 20$

7)  $x^2 = -5$

8)  $7x^2 = 19$

## Answers to 16.4 Homework

- 1)  $\{4, 0\}$       2)  $\{8, -1\}$       3)  $\{-3, -8\}$       4)  $\{-2, -8\}$   
5)  $\left\{-1, -2\frac{1}{3}\right\}$       6)  $\left\{\frac{-5 + \sqrt{665}}{16}, \frac{-5 - \sqrt{665}}{16}\right\}$       7) No solution.  
8)  $\left\{\frac{\sqrt{133}}{7}, -\frac{\sqrt{133}}{7}\right\}$