

## Answers to 2.4 Quadratic Formula

1) When you can't figure out how to solve by factoring.

3)  $\{3 + \sqrt{22}, 3 - \sqrt{22}\}$

5)  $\{3 + \sqrt{21}, 3 - \sqrt{21}\}$

7)  $\left\{\frac{-1 + \sqrt{19}}{6}, \frac{-1 - \sqrt{19}}{6}\right\}$

9)  $\left\{\frac{-6 - 3i}{5}, \frac{-6 + 3i}{5}\right\}$

11) Once you've simplified everything inside the square root.

13)  $\left\{-\frac{2}{3}, 1\right\}$

15)  $\{-9 + 2i, -9 - 2i\}$

17)  $\{-6 + \sqrt{3}, -6 - \sqrt{3}\}$

19)  $\{6, 0\}$