

## Answers to 4.3 Completing the Square

1) 64

7)  $\{4, -20\}$

13)  $\{13, -5\}$

17) When you simplify the square root.

3) 144

9)  $\{-6 + 2i\sqrt{11}, -6 - 2i\sqrt{11}\}$

15)  $\{-10 + 9\sqrt{2}, -10 - 9\sqrt{2}\}$

5) To solve any equation by taking a square root.

11)  $\{-9 + \sqrt{67}, -9 - \sqrt{67}\}$

19)  $\{8, 5\}$

21)  $\left\{-\frac{2}{5}, 0\right\}$