

**Example 1** – Solve:

$$\sqrt{x} = 3$$

**Example 2** – Solve:

$$\sqrt{x} = -3$$

**Example 3** – Solve:

$$\sqrt{2x+1} = 5$$

**Example 4** – Solve:

$$\sqrt{3x + 4} = -4$$

**Example 5** – Solve:

$$3\sqrt{2y + 1} = 5$$

**Example 6** – Solve:

$$\sqrt{5x - 2} = \sqrt{2x + 19}$$

**Example 7** – Solve:

$$\sqrt{2y - 4} = y - 2$$

**Example 8** – Solve:

$$\sqrt{x} + 6 = x$$

**Example 9** – Suppose that for a particular road surface the coefficient of friction is 0.35. How far will a car traveling at 60 miles per hour skid when the brakes are applied?  $\sqrt{30Df} = S$