

Answers to 4.1 Solving by Factoring

1) $(x + 7)(x - 9)$

3) The degree of an equation tells you how many solutions there are.

5) Because you cannot use the zero product property unless one side equals 0.

7) One side needs to be 0 and it needs to be in standard form.

9) $\{1, -2\}$

11) $\{-2, -5\}$

13) $\{-2, -6\}$

15) $\left\{-\frac{5}{3}, -4\right\}$

17) $\left\{-\frac{4}{7}, -6\right\}$

19) $\left\{-\frac{7}{6}, -4\right\}$