

## Answers to Solve by Factoring and Writing Functions from Roots

1)  $\left\{\frac{4}{5}, 1\right\}$

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

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

4)  $\left\{-\frac{2}{5}, -1\right\}$

5)  $\left\{-\frac{5}{3}, -2\right\}$

6)  $\left\{\frac{3}{2}, 3\right\}$

7)  $\left\{\frac{5}{2}, 5\right\}$

8)  $\left\{\frac{2}{5}, 5\right\}$

9)  $\left\{-\frac{1}{3}, 5\right\}$

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

11)  $f(x) = x^4 + 8x^3 + 14x^2 - 8x - 15$

12)  $f(x) = x^3 + 2x^2 - 8x$

13)  $f(x) = x^3 - 9x^2 + 23x - 15$

14)  $f(x) = x^3 + 3x^2 - 18x - 40$