

Solving by Factoring WS#2

Solve each equation by factoring. Show all required work.

1) $x^2 + 6x + 5 = 0$

2) $x^2 + 3x - 10 = 0$

3) $x^2 - 12x + 35 = 0$

4) $x^2 - 7x - 44 = 0$

5) $x^2 - x - 42 = 0$

6) $x^2 + x - 2 = 0$

7) $x^2 + x - 56 = 0$

8) $x^2 + 3x - 40 = 0$

$$9) x^2 - 15x + 50 = 0$$

$$10) x^2 + 13x + 42 = 0$$

$$11) x^2 + 14x - 72 = 0$$

$$12) x^2 - 20x + 64 = 0$$

$$13) x^2 + 15x + 54 = 0$$

$$14) x^2 - 18x + 65 = 0$$

$$15) x^2 - 9x + 20 = 0$$

$$16) x^2 - x - 72 = 0$$

Answers to Solving by Factoring WS#2

1) $x = -5, x = -1$

5) $x = -6, x = 7$

9) $x = 5, x = 10$

13) $x = -6, x = -9$

2) $x = -5, x = 2$

6) $x = -2, x = 1$

10) $x = -6, x = -7$

14) $x = 5, x = 13$

3) $x = 5, x = 7$

7) $x = -8, x = 7$

11) $x = 4, x = -18$

15) $x = 4, x = 5$

4) $x = -4, x = 11$

8) $x = 5, x = -8$

12) $x = 4, x = 16$

16) $x = -8, x = 9$