

Name: _____ Solving Quadratics – Factoring Wksht

Solve the equations by factoring.

1. $x^2 + 13x + 40 = 0$

2. $x^2 - 7x = 44$

3. $x^2 - 16x = -64$

4. $10x^2 + 11x - 6 = 0$

5. $4x^2 + 13x = 12$

6. $3x^2 + 4x = 4$

7. $3x^2 - 19x + 6 = 0$

8. $4x^2 - 8x + 3 = 0$

9. $3x^2 - 12x = -9$

10. $5x^2 - 9x = 2$

Answers (not in order): $x = -4$ and $x = \frac{3}{4}$; $x = \frac{1}{2}$ and $x = \frac{3}{2}$; $x = -8$ and $x = -5$; $x = 2$ and $x = \frac{-1}{5}$; $x = 11$ and $x = -4$; $x = 3$ and $x = 1$; $x = 6$ and $x = \frac{1}{3}$; $x = \frac{-3}{2}$ and $x = \frac{2}{5}$; $x = -2$ and $x = \frac{2}{3}$; $x = 8$