Solving Quadratic Equations by Completing the Square Worksheet

1) $x^2 - 4x - 21 = 0$

2) $x^2 - 8x - 20 = 0$

3) $x^2 + 16x + 15 = 0$

4) $x^2 + 18x + 41 = 0$

5) $x^2 - 6x + 9 = 0$

6) $x^2 - 10x + 25 = 0$

7) $8x^2 + 16x - 5 = 0$

8) $\frac{x^2}{3} + 8x + 11 = 0$

9) $x^2 - 10x = 2$

10) $x^2 + 2 \cdot \frac{7}{2}x - 20 = 0$

11) $x^2 + 3x - 4 = 0$

12) $x^2 + \frac{3}{4}x - 1 = 0$

13) $\frac{x^2}{6} - \frac{9}{3}x + 3 = 0$

14) $4x^2 - 4x + 7 = 0$

15) $x^2 - 22x + 122 = 0$

16) $x^2 + 4x + 13 = 0$

17) $0.5x^2 - 0.3x - 2 = 0$

20) $\frac{1}{x-2} = \frac{x}{6}$

18) $x - 1 = \frac{1}{x} + 6$

21) $12x^2 - 5x + 4 = 0$

19) $x(x - 40) = 9$

22) $3x^2 + 5x + 17 = 0$