

8-7 Solving $ax^2 + bx + c = 0$ with $a > 1$

Solve each equation by using factoring by grouping. Show all your work.

1. $2x^2 + 7x + 3 = 0$

2. $3x^2 + 14x + 8 = 0$

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

4. $5x^2 - 22x + 8 = 0$

5. $6x^2 + 8x + 2 = 0$

6. $8x^2 - 16x = 10$