

Finding Roots of Quadratic Functions by Completing the Square B

Name: _____

Period: _____

Directions: Find the roots of each quadratic function by completing the square. **Show all work.**

1. $f(x) = 2x^2 + 6x - 9$

2. $f(x) = 4x^2 - 16x + 7$

3. $f(x) = 5x^2 - 40x - 11$

4. $f(x) = 2x^2 + 18x - 15$

5. $f(x) = 2x^2 + 12x + 1$

6. $f(x) = 4x^2 + 16x + 15$