

Name: _____ Date: _____ Per: _____

10.2: Minimum/Maximum Values

Practice 3

Tell whether the function has a minimum or maximum value. Then find the minimum or maximum value.

1. $f(x) = 9x^2 - 36$

2. $f(x) = -\frac{3}{4}x^2 + 18x - 7$

3. $f(x) = \frac{5}{4}x^2 - 10x + 3$

4. $f(x) = 8x^2 - 40$

5. $f(x) = -5x^2 + 10x - 2$

6. $f(x) = 8x^2 - 4x + 4$

7. $f(x) = x^2 - 7$

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

9. $f(x) = 2x^2 + 4x$