

## Quadratic Function - Max or Min

Find the maximum or minimum value of each quadratic function.

1)  $f(x) = 4x^2 - 16x - 1$

2)  $f(x) = 3x^2 - 4x + \frac{9}{5}$

3)  $f(x) = -x^2 - 10x - 28$

4)  $f(x) = -36x^2 - 48x + 7$

5)  $f(x) = 15x^2 + 10x - 2$

6)  $f(x) = 5x^2 - 8x - \frac{7}{2}$

7)  $f(x) = -\frac{1}{4}x^2 + \frac{5}{2}x$

9)  $f(x) = -10x^2 - 5x - 3$

10)  $f(x) = -2x^2 + 12x + 4$

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Maximum value: \_\_\_\_\_

Maximum value: \_\_\_\_\_