

## Quadratic Function - Max or Min

Find the maximum or minimum value of each quadratic function.

1)  $f(x) = -16x^2 - 20x - 7$

2)  $f(x) = x^2 + 10x - 17$

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

Minimum value: \_\_\_\_\_

# PREVIEW

3)  $f(x) = -x^2 - 4x - 9$

4)  $f(x) = -3x^2 + 2x + 6$

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

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5)  $f(x) = 8x^2 - 4x + \frac{13}{2}$

6)  $f(x) = \frac{1}{16}x^2 - \frac{1}{4}x + \frac{9}{8}$

Minimum value: \_\_\_\_\_

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

Minimum value: \_\_\_\_\_

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9)  $f(x) = -2x^2 - 6x - \frac{55}{2}$

10)  $f(x) = x^2 + x + \frac{2}{3}$

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

Minimum value: \_\_\_\_\_