Math-Help-Services.com

Quadratic - Factored Form #2 Amanda Zito

Question 1

Determine the **entire interval** over which the following function is **increasing**:

$$f(x) = \frac{1}{2}(x+3)(x+15)$$

Question 4

Determine the **coordinates of the minimum** of the following quadratic function:

$$y = \frac{1}{7}(x-2)(x+12)$$

Question 2

Determine the rule of a **quadratic function in factored form** given the following information:

- the x-intercepts are -3 and 5
- the y-intercept is 45

Question 5

Determine the **entire interval** over which the following function is **increasing**:

$$f(x) = \frac{1}{7}(x+4)(x-10)$$

Question 3

Determine the rule of a **quadratic function in factored form** given the following information:

- the zeros are (3,0) and (6,0)
- it passes through the point (5,12)

Math-Help-Services.com

Question 6

Determine the rule of a **quadratic function in factored form** given the following information:

- the zeros are (-4,0) and (8,0)
- it passes through the point (2,-18)

Question 9

Determine the rule of a **quadratic function in factored form** given the following information:

- the x-intercepts are -2 and 4
- the y-intercept is 16

Question 7

Determine the rule of a **quadratic function in factored form** given the following information:

- the zeros are (-4,0) and (6,0)
- it passes through the point (5,18)

Question 10

Determine the **entire interval** over which the following function is **increasing**:

$$f(x) = \frac{1}{5}(x-1)(x+9)$$

Question 8

Determine the rule of a **quadratic function in factored form** given the following information:

- the zeros are (-2,0) and (4,0)
- it passes through the point (5,14)