

Functions

Foundation worksheet

1) $f(x) = 7x$
Find $f(3)$.

2) $f(x) = 7x$
Find $f(-1)$.

3) $f(x) = x + 8$
Find $f(0.5)$.

4) $f(x) = x^2$
Find $f(-5)$.

5) $f(x) = x - 9$
Find $f(13)$.

6) $f(x) = 2x - 11$
Find $f(3)$.

7) $f(x) = \frac{5x+9}{3}$
Find $f(6)$.

Functions

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8) $f(x) = \frac{5x}{3} + 9$
Find $f(6)$.

9) $f(x) = x^2 - 2x - 3$
Find $f(8)$.

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

11) $f(x) = \frac{x+7}{2}$
Find $f(-10)$.

12) $f(x) = 8 - x$
Find $f(2.3)$.

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1) $f(x) = 7x$
Find $f(3)$.

$$f(3) = 7 \times 3 = 21$$

2) $f(x) = 7x$
Find $f(-1)$.

$$f(-1) = 7 \times -1 = -7$$

3) $f(x) = x + 8$
Find $f(0.5)$.

$$f(0.5) = 0.5 + 8 = 8.5$$

4) $f(x) = x^2$
Find $f(-5)$.

$$f(-5) = (-5)^2 = 25$$

5) $f(x) = x - 9$
Find $f(13)$.

$$f(13) = 13 - 9 = 4$$

6) $f(x) = 2x - 11$
Find $f(3)$.

$$f(3) = 2 \times 3 - 11 = 6 - 11 = -5$$

7) $f(x) = \frac{5x+9}{3}$
Find $f(6)$.

$$f(6) = \frac{5(6)+9}{3} = \frac{39}{3} = 13$$

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8) $f(x) = \frac{5x}{3} + 9$
Find $f(6)$.

$$f(6) = \frac{5(6)}{3} + 9 = \frac{30}{3} + 9 = 10 + 9 = 19$$

9) $f(x) = x^2 - 2x - 3$
Find $f(8)$.

$$f(8) = (8)^2 - 2(8) - 3 = 64 - 16 - 3 = 45$$

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

$$f(-5) = (-5)^2 - 2(-5) - 3 = 25 - -10 - 3 = 32$$

11) $f(x) = \frac{x+7}{2}$
Find $f(-10)$.

$$f(-10) = \frac{-10+7}{2} = \frac{-3}{2} \text{ or } -1.5$$

12) $f(x) = 8 - x$
Find $f(2.3)$.

$$f(2.3) = 8 - 2.3 = 5.7$$