Evaluating Functions

1) $f(x) = \dfrac{2x - 5}{x^2}$; Find f(2)

_____

2) $f(x) = (x - 2)(x + 1)$; Find f(9)

_____

3) $f(x) = \dfrac{2(x + 12)}{x^2 + x + 1}$; Find f(−12)

_____

4) $f(x) = (x + 4) + 2x^3$; Find f(−4)

_____

5) $f(x) = x^2(4x + 1)$; Find f(1)

_____

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

_____

7) $f(x) = 2x^3$; Find f(−5)

_____

8) $f(x) = 7x^2 - 5$; Find f(−3)

_____

Evaluating Functions

Name _____

Score _____

Answer key

EF:09

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1) $f(x) = \dfrac{2x - 5}{x^2}$; Find f(2)

$-\dfrac{1}{4}$

2) $f(x) = (x - 2)(x + 1)$; Find f(9)

70

3) $f(x) = \dfrac{2(x + 12)}{x^2 + x + 1}$; Find f(−12)

0

4) $f(x) = (x + 4) + 2x^3$; Find f(−4)

−128

5) $f(x) = x^2(4x + 1)$; Find f(1)

5

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

60

7) $f(x) = 2x^3$; Find f(−5)

−250

8) $f(x) = 7x^2 - 5$; Find f(−3)

58