



# Evaluating Functions

Name \_\_\_\_\_

Score \_\_\_\_\_

EF:II:08

1)  $f(x) = \frac{2(x+12)}{x^2+x+1}$  ; Find  $f(-12)$

2)  $h(x) = 7x^2 - 5$  ; Find  $h(-3)$

3)  $p(x) = x^2 - x + 4$  ; Find  $p(8)$

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

5)  $g(x) = (x + 4) + 2x^3$  ; Find  $g(-4)$

6)  $p(x) = \frac{2x-5}{x^2}$  ; Find  $p(2)$

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

8)  $f(x) = 2x^3$  ; Find  $f(-5)$



# Evaluating Functions

Name \_\_\_\_\_

Score \_\_\_\_\_

## Answer key

EF:II:08

1)  $f(x) = \frac{2(x+12)}{x^2+x+1}$  ; Find  $f(-12)$

**0**

2)  $h(x) = 7x^2 - 5$  ; Find  $h(-3)$

**58**

3)  $p(x) = x^2 - x + 4$  ; Find  $p(8)$

**60**

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

**5**

5)  $g(x) = (x + 4) + 2x^3$  ; Find  $g(-4)$

**-128**

6)  $p(x) = \frac{2x-5}{x^2}$  ; Find  $p(2)$

**$-\frac{1}{4}$**

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

**70**

8)  $f(x) = 2x^3$  ; Find  $f(-5)$

**-250**