

# Evaluate Expressions

Name: \_\_\_\_\_ Score: \_\_\_\_\_

Evaluate the following expressions for  $x = 3$

$$4(x^2 + 4)$$

$$2(-8x^2 + 2)$$

$$2x^2(-3x - 9)$$

$$-2x(-6x^2 - 1)$$

$$4x(-4 + 3x)$$

$$-3(-2x^2 + 5x)$$

$$-x(-4x + 4x^2)$$

$$2x(-6x^2 + 6x)$$

$$-4x(-5 - x^2)$$

$$3x(6 + 6x^2)$$

$$-x(-3x + 4)$$

$$-2x(2x^2 + 4x)$$

$$3x^2(5 - 2x)$$

$$2x(6x + 5)$$

$$6x(5x - 5x^2)$$

$$4x(-3x^2 + 9x)$$

$$5(3x^2 + 5x)$$

$$2x^2(3x^2 + 5)$$

$$-3x^2(-1 + x)$$

$$4(2x^4 + 5)$$

$$8(-2x^2 + 4x)$$

# Answers

Evaluate the following expressions for  $x = 3$

$$4(x^2 + 4)$$

52

$$2(-8x^2 + 2)$$

-140

$$2x^2(-3x - 9)$$

-324

$$-2x(-6x^2 - 1)$$

330

$$4x(-4 + 3x)$$

60

$$-3(-2x^2 + 5x)$$

9

$$-x(-4x + 4x^2)$$

-72

$$2x(-6x^2 + 6x)$$

-216

$$-4x(-5 - x^2)$$

168

$$3x(6 + 6x^2)$$

540

$$-x(-3x + 4)$$

15

$$-2x(2x^2 + 4x)$$

-180

$$3x^2(5 - 2x)$$

-27

$$2x(6x + 5)$$

138

$$6x(5x - 5x^2)$$

-540

$$4x(-3x^2 + 9x)$$

0

$$5(3x^2 + 5x)$$

210

$$2x^2(3x^2 + 5)$$

576

$$-3x^2(-1 + x)$$

-54

$$4(2x^4 + 5)$$

668

$$8(-2x^2 + 4x)$$

-48