## Evaluate Expressions

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

Evaluate the following expressions for x = 3

$$x \div 15 =$$

$$2x \div 12 =$$

$$2x \div 12 = 10x \cdot x^2 =$$

$$-\mathbf{x} \cdot \mathbf{x}^2 =$$

$$x \div 2x =$$

$$x^3 \cdot 20 =$$

Evaluate the following expressions for h = 2

$$h^{-2} \cdot h^3 = 40 \div h^2 =$$

$$40 \div \text{h}^2 =$$

$$h \cdot 14 =$$

$$h^5 \div 16 =$$

$$2h \cdot 10 =$$

$$2h \cdot 10 = h^0 \div 0.5 =$$

Evaluate the following expressions for y = 20

$$4y \div 8 =$$

$$25 \div y = y \div 10 =$$

$$y \div 10 =$$

$$-y \cdot 25 =$$

$$-v \cdot 15 =$$

$$-y \cdot 15 = y^2 \div 10 =$$

Evaluate the following expressions for t = -3

$$2t^2 \cdot 5 = 27 \cdot t^2 = t^2 \cdot 10 =$$

$$27 \cdot t^2 =$$

$$t^2 \cdot 10 =$$

$$-4t^2 \div 18 =$$

$$2t \div 10 =$$

$$2t \div 10 = t^3 \div 15 =$$

Evaluate the following expressions for v = 0.5

$$v^1 \div 2 =$$

$$3v \div 6 =$$

$$12 \cdot v^2 =$$

$$\mathbf{v} \cdot 10 =$$

$$-2v^2 \cdot 10 =$$

$$v^0 \div 5 =$$

## Answers

Evaluate the following expressions for x = 3

$$x \div 15 = 0.2$$
  $2x \div 12 = 0.5$ 

$$2x \div 12 = 0.5$$

$$10x \cdot x^2 = 270$$

$$-\mathbf{x} \cdot \mathbf{x}^2 = -27$$

$$x \div 2x = 0.5$$

$$-x \cdot x^2 = -27$$
  $x \div 2x = 0.5$   $x^3 \cdot 20 = 540$ 

Evaluate the following expressions for h = 2

$$h^{-2} \cdot h^3 = 2$$
  $40 \div h^2 = 10$   $h \cdot 14 = 28$ 

$$40 \div h^2 = 10$$

$$h \cdot 14 = 28$$

$$h^5 \div 16 = 2$$
  $2h \cdot 10 = 40$   $h^0 \div 0.5 = 2$ 

$$2h \cdot 10 = 40$$

$$h^0 \div 0.5 = 2$$

Evaluate the following expressions for y = 20

$$4v \div 8 = 10$$

$$4y \div 8 = 10$$
  $25 \div y = 1.25$   $y \div 10 = 2$ 

$$y \div 10 = 2$$

$$-y \cdot 25 = -500$$

$$-y \cdot 15 = -300$$

$$-y \cdot 25 = -500$$
  $-y \cdot 15 = -300$   $y^2 \div 10 = 40$ 

Evaluate the following expressions for t = -3

$$2t^2 \cdot 5 = 90$$

$$2t^2 \cdot 5 = 90$$
  $27 \cdot t^2 = 243$   $t^2 \cdot 10 = 90$ 

$$t^2 \cdot 10 = 90$$

$$-4t^2 \div 18 = -2$$

$$2t \div 10 = -0.6$$

$$2t \div 10 = -0.6$$
  $t^3 \div 15 = -1.8$ 

Evaluate the following expressions for v = 0.5

$$v^{1} \div 2 = 0.25$$
  $3v \div 6 = 0.25$   $12 \cdot v^{2} = 3$ 

$$3v \div 6 = 0.25$$

$$12 \cdot v^2 = 3$$

$$\mathbf{v} \cdot 10 = \mathbf{5}$$

$$-2v^2 \cdot 10 = -5$$

$$-2v^2 \cdot 10 = -5$$
  $v^0 \div 5 = 0.2$