Evaluate Expressions

Name: _____ Score: ____

Evaluate the following expressions for x = 2

$$x \div 10 =$$

$$6x \div 12 =$$

$$x \div 10 = 6x \div 12 = 15x \cdot x^2 =$$

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

$$x \div 4x =$$

$$x^{3} \cdot 10 =$$

Evaluate the following expressions for y = 3

$$y^{-2} \cdot y^4 =$$

$$18 \div y^2 =$$

$$y^4 \div 9 =$$

$$2y \cdot 10 =$$

$$2y \cdot 10 = y^{0} \div 0.1 =$$

Evaluate the following expressions for v = 10

$$4v \div 8 =$$

$$20 \div v^2 = v \div 10 =$$

$$v \div 10 =$$

$$-v \cdot 15 =$$

$$-v \cdot -12 =$$

$$-v \cdot -12 = v^2 \div 10 =$$

Evaluate the following expressions for t = -2

$$2t^2 \cdot 6 =$$

$$20 \cdot t^2 = t^2 \cdot 30 =$$

$$t^2 \cdot 30 =$$

$$-4t^2 \div 10 =$$

$$2t \div 10 =$$

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

Evaluate the following expressions for r = 0.2

$$2r^1 \div 2 =$$

$$3r \div 6 =$$

$$12 \cdot r^2 =$$

$$r \cdot 20 =$$

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

$$r^0 \div 2 =$$

Answers

Evaluate the following expressions for x = 2

$$x \div 10 = 0.2$$

$$6x \div 12 = 1$$

$$x \div 10 = 0.2$$
 $6x \div 12 = 1$ $15x \cdot x^2 = 60$

$$-2x \cdot x^2 = -16$$
 $x \div 4x = 0.25$ $x^3 \cdot 10 = 80$

$$x \div 4x = 0.25$$

$$x^3 \cdot 10 = 80$$

Evaluate the following expressions for y = 3

$$y^{-2} \cdot y^4 = 9$$
 $18 \div y^2 = 2$ $y \cdot 14 = 42$

$$18 \div y^2 = 2$$

$$y \cdot 14 = 42$$

$$y^4 \div 9 = 9$$

$$2y \cdot 10 = 60$$

$$y^4 \div 9 = 9$$
 $2y \cdot 10 = 60$ $y^0 \div 0.1 = 10$

Evaluate the following expressions for v = 10

$$4v \div 8 = 5$$

$$4v \div 8 = 5$$
 $20 \div v^2 = 0.2$ $v \div 10 = 1$

$$v \div 10 = 1$$

$$-v \cdot 15 = -150$$

$$-v \cdot -12 = 120$$

$$-v \cdot 15 = -150$$
 $-v \cdot -12 = 120$ $v^2 \div 10 = 10$

Evaluate the following expressions for t = -2

$$2t^2 \cdot 6 = 48$$

$$20 \cdot t^2 = 80$$

$$2t^2 \cdot 6 = 48$$
 $20 \cdot t^2 = 80$ $t^2 \cdot 30 = 120$

$$-4t^2 \div 10 = -1.6$$

$$2t \div 10 = -0.4$$

$$-4t^2 \div 10 = -1.6$$
 $2t \div 10 = -0.4$ $t^3 \div 10 = -0.8$

Evaluate the following expressions for r = 0.2

$$2r^1 \div 2 = 0.2$$

$$3r \div 6 = 0.1$$

$$2r^{1} \div 2 = 0.2$$
 $3r \div 6 = 0.1$ $12 \cdot r^{2} = 0.48$

$$r \cdot 20 = 4$$

$$-2r^2 \cdot 10 = -0.8$$

$$r \cdot 20 = 4$$
 $-2r^2 \cdot 10 = -0.8$ $r^0 \div 2 = 0.5$