

Evaluate Expressions

Name: _____ Score: _____

Evaluate the following expressions for $x = 6$

$$x \div 10 = \quad 3x \div 12 = \quad x \cdot x^2 =$$

$$-3x \cdot x^2 = \quad 2x \div 4x = \quad x^2 \cdot 10 =$$

Evaluate the following expressions for $y = 2$

$$y^{-4} \cdot y^6 = \quad 16 \div y^2 = \quad y \cdot 12 =$$

$$y^4 \div 8 = \quad 2y \cdot 11 = \quad y^0 \div 0.5 =$$

Evaluate the following expressions for $v = 5$

$$4v \div 10 = \quad 25 \div v^2 = \quad v \div 20 =$$

$$-v \cdot 10 = \quad -v \cdot 14 = \quad v^2 \div 10 =$$

Evaluate the following expressions for $t = -8$

$$3t^2 \cdot 3 = \quad 20 \cdot t^2 = \quad t^2 \cdot 4 =$$

$$-2t^2 \div 16 = \quad 2t \div 8 = \quad t^3 \div 4 =$$

Evaluate the following expressions for $d = 1.5$

$$d^1 \div 2 = \quad 3d \div 9 = \quad 20 \cdot d^2 =$$

$$d \cdot 20 = \quad -2d^2 \cdot 10 = \quad d^0 \div 2 =$$

Answers

Evaluate the following expressions for $x = 6$

$$x \div 10 = 0.6 \qquad 3x \div 12 = 1.5 \qquad x \cdot x^2 = 216$$

$$-3x \cdot x^2 = -648 \qquad 2x \div 4x = 0.5 \qquad x^2 \cdot 10 = 360$$

Evaluate the following expressions for $y = 2$

$$y^{-4} \cdot y^6 = 4 \qquad 16 \div y^2 = 4 \qquad y \cdot 12 = 24$$

$$y^4 \div 8 = 2 \qquad 2y \cdot 11 = 44 \qquad y^0 \div 0.5 = 2$$

Evaluate the following expressions for $v = 5$

$$4v \div 10 = 2 \qquad 25 \div v^2 = 1 \qquad v \div 20 = 0.25$$

$$-v \cdot 10 = -50 \qquad -v \cdot 14 = -70 \qquad v^2 \div 10 = 2.5$$

Evaluate the following expressions for $t = -8$

$$3t^2 \cdot 3 = 576 \qquad 20 \cdot t^2 = 640 \qquad t^2 \cdot 4 = 256$$

$$-2t^2 \div 16 = -8 \qquad 2t \div 8 = -2 \qquad t^3 \div 4 = -128$$

Evaluate the following expressions for $d = 1.5$

$$d^1 \div 2 = 0.75 \qquad 3d \div 9 = 0.5 \qquad 20 \cdot d^2 = 45$$

$$d \cdot 20 = 30 \qquad -2d^2 \cdot 10 = -45 \qquad d^0 \div 2 = 0.5$$