

Name _____

UNIT 2 QUIZ REVIEW ACCELERATED

Use Order of Operations to solve the following expressions:

1) $-5 [6 \cdot 2 - 5 (5 + 16^0) \div 3] =$

2) $(5 \cdot 3 - 3) \cdot (2^1 + 3) = \underline{\hspace{2cm}} \cdot 6$
What number belongs on _____ to make the equation true?

3) $[\sqrt{9} + 2^2] + \sqrt{100} \cdot -2 \div 5 \cdot -2 =$

Evaluate:

4) $3^3 =$

5) $\sqrt{169} =$

6) $18 - (-5) =$

7) $-52 + 19 =$

Evaluate the expressions when :

$w = 6, x = -2, y = -1, z = 3$

Be sure to show the substitution step. Be careful to replace variables with correct values.

8) $\frac{3xy}{w} =$

9) $\left(\frac{w}{z}\right)^2 - \left(\frac{x}{y}\right)^2 =$

10) In my backyard I have two square gardens of the exact same size. The combined area of the two is 288 square feet. I would like to put a fence around each of them to keep the bunnies from eating all my carrots. How many feet of fence will I need to completely surround both gardens?