Evaluate - 2

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

Evaluate.

1) $| xy | + | yz |$; $x = -3$, $y = -2$, $z = -5$.   1) _____

2) $4x^2 + 6x - 8$; $x = -3$ 2) _____

3) $2xy - x^3$; $x = -5$, $y = 4$ 3) _____

4) $7x^2 + 10y$; $x = 3$, $y = 9$ 4) _____

5) $b^2 - 4ac$; $b = -4$, $a = 5$, $c = 4$ 5) _____

Evaluate the expression for the given replacement values.

6) $(x + 4y)^2$ $x = 3$, $y = 4$ 6) _____

7) $\dfrac{12x}{y} + y^3$ $x = 9$, $y = 10$ 7) _____

8) $\dfrac{y}{z} + 2x^2$ $x = 5$, $y = 16$, $z = 8$ 8) _____

Evaluate the expression.

9) $5(x + 2) + 12$ when $x = -10$ 9) _____

10) $-x^2 - 6z$ when $x = -2$, $y = 3$, $z = -4$ 10) _____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Find the value of the expression. If necessary, round the result to the nearest hundredth.

11) $\dfrac{|x - y|}{6x}$ when $x = 5.5$ and $y = -2.9$ 11) _____

A) 0.25   B) -0.08   C) -0.25   D) 0.08

12) $8x + 3y$ when $x = 3.1$ and $y = -4.9$ 12) _____
A) -29.9   B) 39.5   C) 10.1   D) 48.5

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1) 16
2) 10
3)
4) 153
5) -64
6) 361
7) $\dfrac{5054}{5}$
8) 52
9) -28
10) 20
11) A
12) C