Name: Isalah Hardy

Unit 1: Algebra Basics

Date: \$/15/24

Homework 5: Evaluating Expressions

Bell:

Directions: Evaluate each expression for the given variable values. If n=4

1.
$$n^2 - 3n + 8$$

2.
$$\frac{x^2-4y}{2}$$

if
$$x = 4$$
 and $y = -3$

3.
$$4|m-n|$$

if
$$m = -7$$
 and $n = 2$ 4. $19 - x^2$

4.
$$19 - x^2$$

If
$$x = -5$$
.

5.
$$s^2t - 10$$

if
$$s = -8$$
 and $t = \frac{3}{4}$ 6. $4p^2 + 7q^3$

6.
$$4p^2 + 7q$$

if
$$p = -3$$
 and $q = -2$

7.
$$\frac{(a+b)^5}{a-2b^2}$$

if
$$a = 6$$
 and $b = -8$ 8. $\frac{5c^3 - d^3 + 3}{2c - 4d}$

8.
$$\frac{5c^3-d^3+3}{2c-4d}$$

if
$$c = -1$$
 and $d = -4$

9.
$$-q^2 - r^2 + 3s$$

if
$$q = 9$$
, $r = -6$, $s = -20$ 10. $3|x + y|^2 - (xy)^2$

10.
$$3|x + y|^2 - (xy)$$

If
$$x = 3$$
 and $y = -5$

11.
$$2x^2 - 5xy - y^3$$

if
$$x = -3$$
 and $y = -$

if
$$x = -3$$
 and $y = -2$ 12. $-a^2 + 7b^4 - 2c^3$ If $a = -4$, $b = -2$, $c = -3$

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