

Name: _____

Math is Gold

Date: _____

Topic: Algebra Basics

(id:basics_eval_exp_A.1)

Title: Evaluate the following expressions.

1) $x^3 - 1, x = -1$

2) $3x^4 + 8, x = 2$

3) $-7 + 5x^4, x = -2$

4) $1 - 2x^3, x = 3$

5) $x^5 + 1, x = -1$

6) $\frac{x}{2y} - 3, x = 4, y = 1$

7) $\frac{5p}{3q} + 7, p = 0, q = 1$

8) $\frac{xy}{10} - 2, x = 5, y = 2$

9) $10 - \frac{mn}{14}, m = 7, n = 4$

10) $-11 + \frac{4}{cd}, c = 2, d = 1$

11) $a^2 + ab + b^2$, $a = 2$, $b = 3$

12) $p^2 - pq + q^2$, $p = 1$, $q = -1$

13) $7 + 2m^2 - n^2$, $m = 5$, $n = 2$

14) $5c^2 - 2d^2 + 9$, $c = -1$, $d = -2$

15) $x^2 - 3y^2 + xy$, $x = 3$, $y = -3$

16) $\frac{a}{a+b} - \frac{b}{a+b}$, $a = -1$, $b = -1$

17) $\frac{x+y}{2} + \frac{x-y}{4}$, $x = 2$, $y = -3$

18) $\frac{2a+b}{3} - b$, $a = -2$, $b = -5$

19) $\frac{p-2q}{q} + 5$, $p = 5$, $q = -2$

20) $\frac{-m+2n}{m} - 1$, $m = 4$, $n = -3$