

Diagnostic: Evaluate Variable Expressions**Evaluate each using the values given.**

1) $y^2 + x^2$; use $x = 3$, and $y = -1$

2) $x^2 - 5 - y$; use $x = 6$, and $y = 5$

3) $m + 3 + n^2$; use $m = 4$, and $n = 2$

4) $q^2 - p^2$; use $p = -2.1$, and $q = -1.7$

5) $z - (x + z + 1)$; use $x = 0.91$, and $z = -5.1$

6) $x \div x + 1 + y$; use $x = 3.973$, and $y = -0.9$

7) $3(x + 5) + y$; use $x = -\frac{1}{3}$, and $y = 1\frac{1}{2}$

8) $x(y - (y - y))$; use $x = \frac{1}{4}$, and $y = -\frac{4}{3}$

9) $q(-2 - 1) + p$; use $p = -\frac{3}{2}$, and $q = 2$

10) $b - |a^2|$; use $a = -1\frac{1}{2}$, and $b = -\frac{1}{2}$

Answers to Diagnostic: Evaluate Variable Expressions

1) 10

5) -1.91

9) $-7\frac{1}{2}$

2) 26

6) 1.1

10) $-2\frac{3}{4}$

3) 11

7) $15\frac{1}{2}$

4) -1.52

8) $-\frac{1}{3}$