

Wisdom Lane Middle School
Name: _____
Teacher: Mr. Tomeo

Homework #2

Date: _____
Period: _____

Evaluating Algebraic Expressions

Evaluate each of the following algebraic expressions by substituting the indicated variable(s).

1. $w + (-7)$	$w = -1$
2. $-5d + (-6)u - 3$	$d = 2, u = 7$
3. $(10q - 4)^2$	$q = 1$
4. $\frac{7p + 5}{-3}$	$p = -2$
5. $(5b - (-6))^2$	$b = 0$
6. $b - n - 8$	$b = -3, n = 5$
7. g^2	$g = -10$
8. $d(7 - s)$	$d = -5, s = -3$
9. $\frac{s + (-7)}{-1}$	$s = -3$

10. $4x + 6y - 2z$	$x = -9, y = 2, z = -3$
11. $x + 7p$	$x = -1, p = 8$
12. $3x^2 - 2xy$	$x = 4, y = -2$
13. $\frac{-4x}{2x + 5y}$	$x = 1, y = 0$
14. $x^2 - y^2$	$x = 7, y = 9$
15. $100\pi - x$	$\pi = 3.14, x = 14$
16. $\frac{a - b}{b - a}$	$a = 6, b = 2$
17. $5rst$	$r = -1, s = -5, t = 2$
18. $2w + 2l$	$w = 10, l = 5$