

Name: _____

Date: _____ Score: _____

Solving Algebraic Expressions

Evaluate the following expressions for $x = 4$

1) $x + 8 =$ _____ 2) $2x - 1 =$ _____ 3) $10 + x^2 =$ _____

4) $-x - 12 =$ _____ 5) $-4 + x^2 =$ _____ 6) $x^2 - 1 =$ _____

Evaluate the following expressions for $y = -2$

1) $3y - 3 =$ _____ 2) $-2y - 16 =$ _____ 3) $16 + y^2 =$ _____

4) $-2y + 20 =$ _____ 5) $y^2 + 12 =$ _____ 6) $-y^2 - 20 =$ _____

Evaluate the following expressions for $t = -5$

1) $t^2 + 75 =$ _____ 2) $-t - 25 =$ _____ 3) $-t + 10 =$ _____

4) $22 - 2t =$ _____ 5) $-4t - 5 =$ _____ 6) $-t - 10 =$ _____

Evaluate the following expressions for $q = -1$

1) $12 + q^2 =$ _____ 2) $-q^2 - q =$ _____ 3) $q + 2q =$ _____

8) $-2q - 30 =$ _____ 5) $-q - 2q =$ _____ 6) $3q^2 - 3 =$ _____

Evaluate the following expressions for $s = -3$

1) $s^2 =$ _____ 2) $2s - 1 =$ _____ 3) $s + s^3 =$ _____

4) $c + (-1) =$ _____ 5) $-c + 27 =$ _____ 6) $c^2 - 1 =$ _____