

Math Sheet

Name _____ Score _____ / 12 Teacher _____ Date _____

Evaluating Single Functions

Evaluate each function at the given argument. Simplify exactly.

1. $q(x) = -9x^2 - 11$

$q(y - 5)$

2. $s(x) = (-5)^{4 \cdot x}$

$s(0)$

3. $g(x) = 3^{4 \cdot x - 2}$

$g(-2)$

4. $f(x) = -11x^2 - 8$

$f(7)$

5. $j(x) = 11x$

$j(y + 3)$

6. $m(x) = x^3 - 8x^2$

$m(4y)$

7. $p(x) = x^3 + 10x^2$

$p(-3)$

8. $h(x) = 2x$

$h(-9)$

9. $u(x) = -9x^2 + 10x$

$u(y^2)$

10. $k(x) = 9x^2 + 10x$

$k(1)$

11. $v(x) = 4^{x-1}$

$v(y - 1)$

12. $r(x) = -2^{4 \cdot x}$

$r(-2y)$
