

Name: _____
Date: _____
Class: _____

Algebra
Unit 6
HW 6-2

1) If $f(x) = 3x^{-2} + 2x^0$, find $f(4)$

2) Simplify (show your answer as a negative exponent and positive exponent).

$$\frac{x^2}{x^7}$$

3) Find $f(0)$ if $f(x) = 16(2)^x$

4) Using the function in #3, find $f(-3)$

5) Rewrite without negative exponents: $x^{-2}y^4$

6) Evaluate when $x = 3$: $8(x+11)^0 - 2x^0 + 6x$

7) Simplify (no negative exponents in answer): $\frac{6x}{2x^8}$

8) Using $f(x) = 18(3)^{-x}$ find $f(-2) - f(2)$