

Name _____
Date _____

Advanced Algebra
Unit 2: Families of Functions
Homework #3

1. Given the function $f(x) = 3x + 5$

f(-10)

f(7)

f(dog)

What is the y intercept of this function?

2. Given the function $f(x) = \frac{2x+5}{x-3}$

f(-10)

f(7)

F(dog)

What is the y intercept of this function?

3. Use the functions $f(x) = 3x - 4$ and $g(x) = x^2 + 2$ to find the values

f(7)

g(5)

f(-5)

g(-3)

4. What family of functions does $f(x) = 25 - .6x$ belong to?

5. Consider the function $f(x) = 3(x+1)^2 - 4$

$f(5)$

$f(n)$

$f(x+2)$

6) If $f(990) = 286$, what is the ordered pair that you would graph on the coordinate plane?