

Math 71

Names _____

Group Work #2!

1. Find the domain of $f(x) = \frac{6}{10-x}$. Write your answer in interval notation.

2. Let $f(x) = -x^2 + 2x - 5$. Find $f(-2)$.

3. Graph the linear equation $4x - 3y = 12$. Label the intercepts.

4. Write the slope-intercept equation of a function whose graph passes through the point $(-4,6)$ and is perpendicular to the equation whose equation is $4x - y = 6$. Graph both lines.

5. If $f(x) = 3x^2 - 4x + 2$ and $g(x) = x^2 - 5x - 3$, find $(f - g)(x)$ and $(f - g)(-1)$.