

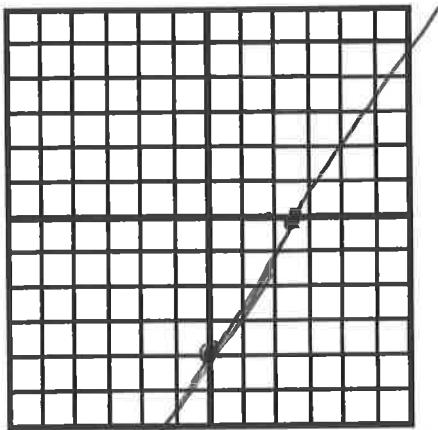
Math 90 - Quiz # 1

Name \_\_\_\_\_

Find the intercepts and graph of the equation  $8x - 5y = 20$

x-intercept  $(2\frac{1}{2}, 0)$

y-intercept  $(0, -4)$



x-int:  $y = 0$

$$\frac{8x - 5(0)}{8} = \frac{20}{8} = \frac{5}{2}$$

$$x = \frac{5}{2} = 2\frac{1}{2} \Rightarrow (2\frac{1}{2}, 0)$$

y-int:  $x = 0$

$$8(0) - 5y = 20$$

$$y = -4 \quad (0, -4)$$

Math 90 - Quiz # 2

Name \_\_\_\_\_

For each formula, write the missing part:

Polynomial

Factored

$A^2 - B^2$

$(A+B)(A-B)$

$A^2 + 2AB + B^2$

$(A+B)^2$

$A^2 - 2AB + B^2$

$(A - B)^2$

$A^3 + B^3$

$(A+B)(A^2 - AB + B^2)$

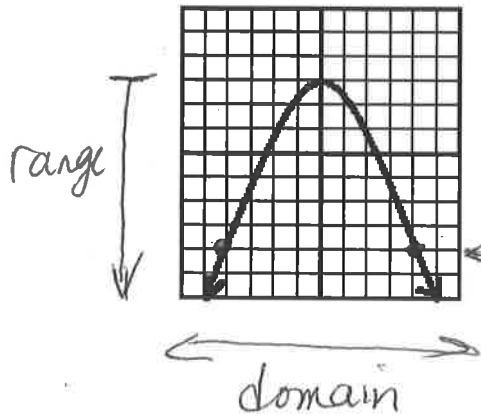
$A^3 - B^3$

$(A-B)(A^2 + AB + B^2)$

Math 90 - Quiz # 3

Name \_\_\_\_\_

For  $f(x)$  in the graph shown below:



1. Give the domain  $(-\infty, \infty)$
2. Give the range  $(-\infty, 3]$
3. Find  $f(0)$  to the nearest integer value  
Find  $y$  when  $x=0 \Rightarrow f(0) = 3$
4. If  $f(x) = -4$ , solve for  $x$ , to the nearest integer value(s).  
If  $y = -4$  solve for  $x$   
 $x = +4, -4$