Bathroom breaks are to be taken before class!!

Do NOT move the desk!!

Turn your phone OFF!!

Put your phone up!!

Sit down!! **Be quiet!!**

Prepare to work!!

Keep your hands to yourself!!

Chap 4 Sec 2
Softbook Pg 37
Representation of Functions

1) The output is eight less than the input

$y = f(x) = x - 8$

2) The output is double the input

$y = f(x) = 2x$

$y = f(x) = 2x$

3) $y = x - 8$; $x = 5$

$f(5) = (5) - 8$

$f(5) = -3$

$(5, -3)$

x y

4) $y = 8x$; $x = 3$

$f(3) = 8(3)$

$f(3) = 24$

$(3, 24)$

x y

5) $y = 4x - 1$; $x=10$

$f(10) = 4(10) - 1$

$f(10) = 40 - 1$

$f(10) = 39$

$(10, 39)$

$x \quad y$

6) $y = \frac{x}{2} + 5$; $x = -4$

$f(-4) = \frac{(-4)}{2} + 5$

$f(-4) = -2 + 5$

$f(-4) = 3$

$(-4, 3)$

$x \quad y$

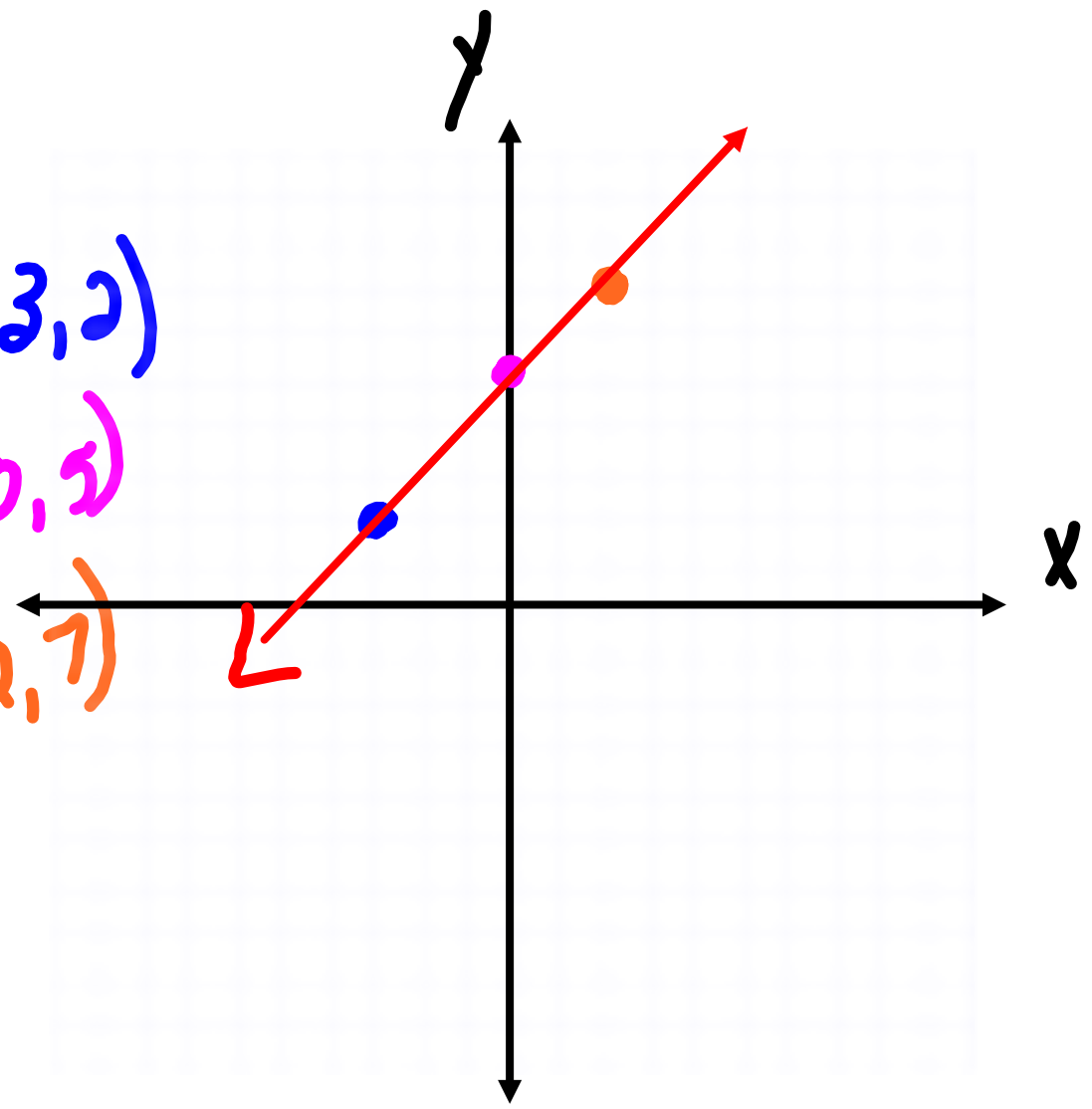
7) $y = x + 5$

$f(-3) = (-3) + 5 = 2 \quad (-3, 2)$

$f(0) = (0) + 5 = 5 \quad (0, 5)$

$f(2) = (2) + 5 = 7 \quad (2, 7)$

$m = \frac{3}{3} = 1$



8) $y = 9x$

$f(-1) = 9(-1) = -9 \quad (-1, -9)$

$f(0) = 9(0) = 0 \quad (0, 0)$

$f(1) = 9(1) = 9 \quad (1, 9)$

$m = \frac{9}{1} = 9$