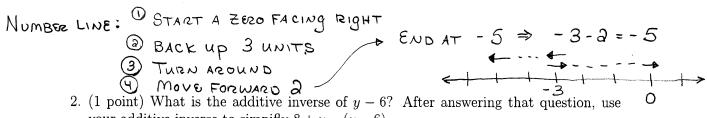
Math 200 -	Quiz	9
April 11, 2012	, , , , , , , , , , , , , , , , , , , ,	

Show all work to receive full credit. Supply explanations when necessary.

1. (1 point) Use an integer subtraction model to model -3-2.



your additive inverse to simplffy 8 + y - (y - 6).

y-6 = y+ (-6)

SO ADDITIVE INVERSE IS [-4+6] 8+4-(4-6) = 8+4+(-4)+6

- 3. (1.5 points) Compute each of the following.
 - (a) -5 (-2) = |-3|
 - (b) 3 (-5) = 3 + 5 = 8
 - (c) $8 \times (-7) = -56$
- 4. (1 point) Use an integer multiplication model to model $-2 \times (-3)$.

START WITH ZERO

$$\begin{pmatrix} \pm & \pm & \pm \\ \pm & \pm & \pm \end{pmatrix}$$

Now take out 2 groups of
$$3-5$$

To get $++++$
 $+++$
 $-2\times(-3)$

erger and u is a positive integer. What is the sign $=+6$

5. (0.5 point) Suppose x is a negative integer and y is a positive integer. What is the sign of $-x \div (-y)$? Explain.

- X + (-y) = positive num + negative num

= NEGATIVE NOM

⇒ SIGN OF -X+(-y) IS NEGATIVE.