

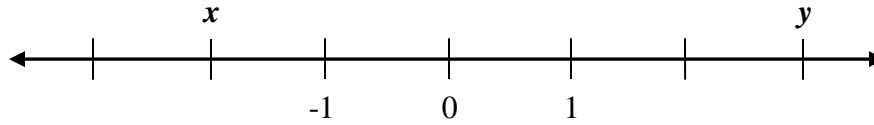
Name \_\_\_\_\_



**NUMBER LINE INTEGERS #1**



**Directions:** Use the number line below to answer each question.



- 1) Find the sum of  $x$  and  $y$ .
  
- 2) Find the product of  $x$  and  $y$ .
  
- 3) Find the values for both  $I - x$  and  $I - y$ .
  
- 4) Circle *all* of the inequalities below that are true.
  - a.  $x > y$
  - b.  $y > x$
  - c.  $xy = yx$
  - d.  $-y < x$
  
- 5) Use the symbols  $<$ ,  $>$ , or  $=$  and the variables  $x$  and  $y$  to write an inequality comparing  $x - y$  to  $y - x$ .
  
- 6) If  $z = \frac{x}{-2}$  then place  $z$  in the correct location on the number line at the top of the page.
  
- 7) In the boxes below, list the following expressions in order from least to greatest:

$x$	$x + y$	$-x$	$\frac{y}{x}$
<div style="border: 1px solid black; width: 60px; height: 60px; margin: 0 auto;"></div>	<div style="border: 1px solid black; width: 60px; height: 60px; margin: 0 auto;"></div>	<div style="border: 1px solid black; width: 60px; height: 60px; margin: 0 auto;"></div>	<div style="border: 1px solid black; width: 60px; height: 60px; margin: 0 auto;"></div>