

TERMS AND SYMBOLS
SIGNED NUMBERS AND VARIABLES

Name _____

Partner Name _____

The following terms and symbols have been introduced in this unit.
 Write the correct **term or symbol on the line to the left** of the matching definition.
 Give a written **example on the line to the right** of the matching definition.

- | | | | | |
|--------------|----------|-----------------------|------------|------------|
| real numbers | constant | absolute value | like terms | reciprocal |
| - opposite | integers | numerical coefficient | variable | origin |

<u>Term or Symbol</u>	<u>Definition</u>	<u>Example</u>
_____	{ . . . , -3, - 2, -1, 0, 1, 2, 3, . . . }	_____
_____	reference point on the number line	_____
_____	a , distance between a and 0 on the number line	_____
_____	set of all numbers on the number line	_____
_____	a and -a, same distance from zero on the number line	_____
_____	b and 1/b, product equal to 1	_____
_____	letter or symbol representing an unknown value that may change	_____
_____	number or symbol with value that does not change	_____
_____	numerical factor of a term	_____
_____	terms having same variable factors	_____

- Write three different expressions to show "three multiplied by M" _____
- Write three different expressions to show "p divided by q" _____
- In the algebraic expression $2A^2 - B + 4$, identify the variables, the numerical coefficients and the constants.

Variables

Numerical Coefficients

Constants

- Let $x = 4$. Then $-x =$ _____ and $-1/x =$ _____. Which number is smaller: $-x$ or $-1/x$? _____

Show, roughly, the relative position of $-x$ and $-1/x$ on the number line below:

