

objective: To translate statements into expressions and equations 1/24/19

## I. Key Words

<u>Addition</u>	<u>Subtraction</u>	<u>Multiplication</u>	<u>Division</u>
<ul style="list-style-type: none"> <li>• added to</li> <li>• plus</li> <li>• sum</li> <li>• more than</li> <li>• increased by</li> <li>• total of</li> </ul>	<ul style="list-style-type: none"> <li>• subtracted from</li> <li>• minus</li> <li>• difference</li> <li>• less than</li> <li>• decreased by</li> <li>• taken from</li> </ul>	<ul style="list-style-type: none"> <li>• times</li> <li>• multiplied by</li> <li>• product</li> <li>• groups of</li> <li>• twice of (mult. by 2)</li> <li>• of</li> <li>• half of (mult by <math>\frac{1}{2}</math>)</li> <li>• double</li> </ul>	<ul style="list-style-type: none"> <li>• divided by</li> <li>• divided into</li> <li>• quotient</li> <li>• ratio</li> <li>• half</li> <li>• reciprocal of</li> </ul>

(=)

- is
- equals
- is equals to

(>)

- is
- greater than

(<)

- is
- less than

(≥)

- is
- greater than or equal to
- at least

(≤)

- is
- less than or equal to
- at most

examples: Identify (underline) key words and write symbols above the key words to write out.

a.) The sum of 8 and t is 40.

$$8 + t = 40$$

b.) Fourteen less than f. (taking 14 away from f)

$$f - 14$$

c.) 4 <sup>+</sup> more than the difference of x and y.

$$4 + (x - y)$$

d.) The product of a number and seven.

$\downarrow$   
variable

$$\boxed{n \times 7} \text{ or } \boxed{7n}$$