

### Inequalities Assignment

<b>&lt; (less than)</b>	<b>= (equal)</b>	<b>&gt; (greater than)</b>
is less than	is / are / will be /only	more than
is under	is the same as	above
is below	that is equal to	over
shorter / smaller than	exactly	greater / larger than
fewer than	half ( = .5* or ½ *)	exceeds / increased
is lower than		longer than
beneath		is higher than
a better deal		

<b>≤ (less than or equal to)</b>	<b>≠ (not equal to)</b>	<b>≥ (greater than or equal to)</b>
at most	is not equal to	at least
maximum	is not the same as	minimum
bottom	is different / differs from	top
is no more than		is no less than

1. In many states, you must be at least 16 years old to obtain a driver’s license.
  
2. It is not safe to use a light bulb of more than 60 watts in this light fixture.
  
3. The Navy’s flying squad, the Blue Angels, makes more than 75 appearances each year.

Graph each inequality from the given description.

4. t is nonnegative.

5. x is positive.

Name \_\_\_\_\_ Date \_\_\_\_\_ Per \_\_\_\_\_

## Inequalities Assignment

6.  $k$  is no more than 3.

7.  $r$  is at least 2.

8.  $v$  is no less than 7.

Solve the inequality and write the answer as a graph, an interval, and a sentence.

9.)  $6y + 2(2y + 3) > 16$

10.)  $\frac{x+4}{3} - 8 \leq -2$

Answer: \_\_\_\_\_

Graph:

Interval: \_\_\_\_\_

11.)  $4(3 - x) - 3(4 - x) > -15$

Answer: \_\_\_\_\_

Graph:

Interval: \_\_\_\_\_

12.)  $\frac{2}{5}(x + 10) \geq 2$

Answer: \_\_\_\_\_

Graph:

Interval: \_\_\_\_\_

Answer: \_\_\_\_\_

Graph:

Interval: \_\_\_\_\_