

**Part I: Equations**

Solve and check each equation. Remember to show all work!

1.  $\frac{n}{20} = 100$

2.  $r + 85 = 490$

3.  $8m = 728$

**Part II: Inequalities**

3. You must be 12 or under to order from the kids' menu.

Inequality: \_\_\_\_\_



4. More than 400 kids made the Honor Roll for the first semester.

Inequality: \_\_\_\_\_

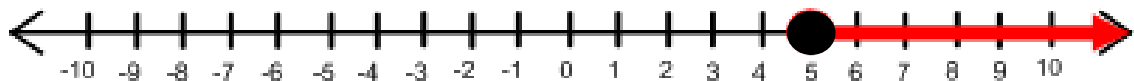


5. Riders of the Scream Machine roller coaster must be at least 54 in. tall.

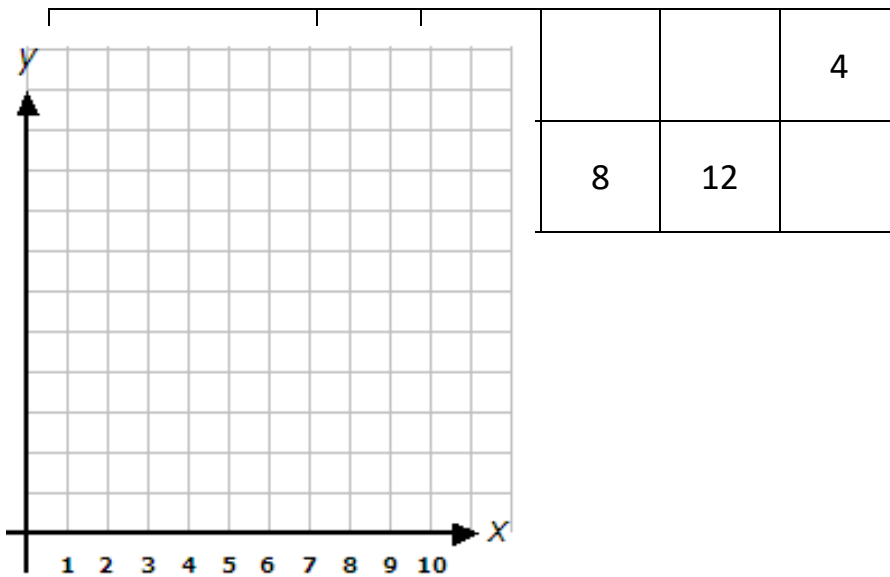
Inequality: \_\_\_\_\_



6. What inequality is graphed on the number line?

A.  $m < 5$ B.  $m > 5$ C.  $m \leq 5$ D.  $m \geq 5$

7. ICEE's at the movie theatre cost \$4 apiece. Fill in the table and graph the ordered pairs.

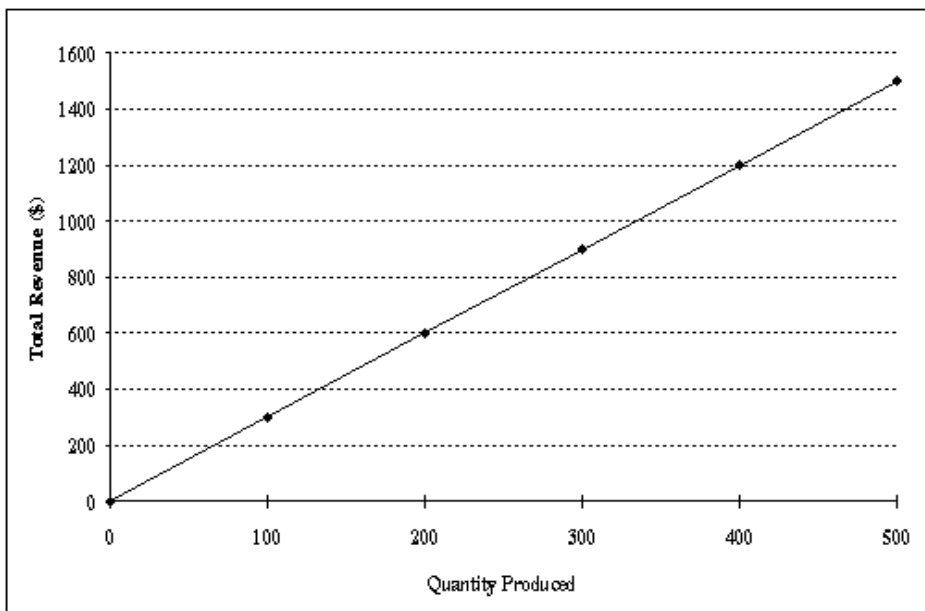


8. Maria's Maids charges \$15 per hour. Fill in the table of values and write the direct variation equation.

Equation: \_\_\_\_\_

x (# of hours)	0	2			10
y (total money)			60	75	

9. What equation is shown by the graph below?



a.  $y = \frac{1}{3}x$

b.  $y = 2x$

c.  $y = 3x$

d.  $y = 10x$

