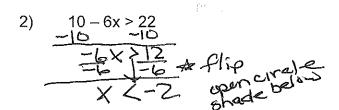
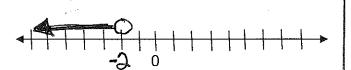
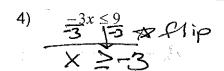
1) Fill in the chart with the symbols \langle , \rangle , \leq , or \geq .

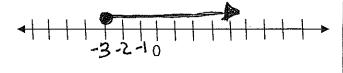
words	symbol	words	symbol
At least	>	Less than junder below	
At most	4	Less than or equal to	
Fewer than		More than above	>
Greater than	>	No less than	
Greater than or equal to		No more than	

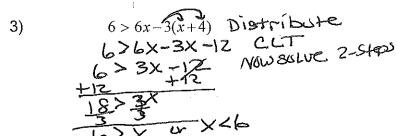
For #'s 2 - 6, SOLVE each inequality, BOX answers and GRAPH the solution on the number line.

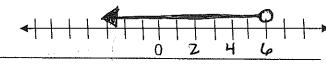


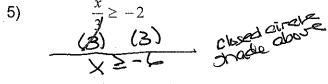






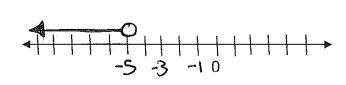




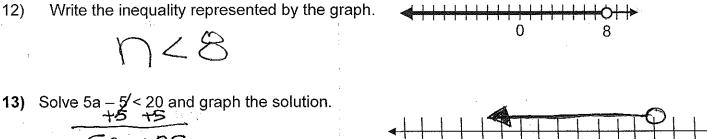


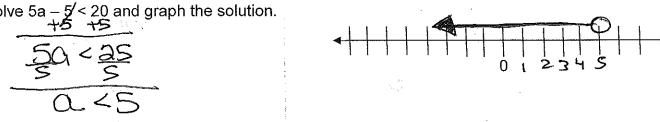


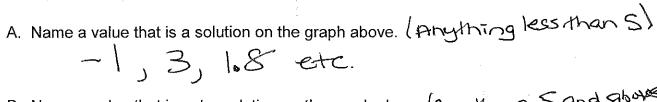
6) $\frac{12x+15<5+10x}{-10x}$ $\frac{-10x}{-16x}$ $\frac{2x+18<5}{-15}$ $\frac{-15}{-15}$ $\frac{-15}{-15}$ $\frac{-15}{-15}$ $\frac{-15}{-15}$ $\frac{-15}{-15}$ $\frac{-15}{-15}$ $\frac{-15}{-15}$

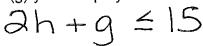


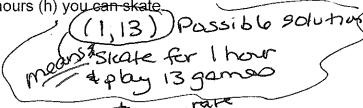
	nuite
For#	rs 7 - 9, <u>SET UP</u> an inequality. You <u>DO NOT</u> need to solve it.
7)	The difference of a number and & is less than 10. $X-8<10$
8)	The sum of 2 times a number, and 5 (s greater than 25.
9)	Three-fourths of a number (s at least) 36. $\frac{3}{4} \times \frac{3}{4} \times \frac$
10)	Which statement can be used to represent the inequality shown?
	a) I need \$4 for lunch $X=Y$ b) I need no more than \$4 for lunch $X=Y$ $\times \leq Y$ c) I need at most \$4 for lunch $X \leq Y$ $\times \leq Y$
11)	Write a scenario that can be represented by the inequality x < 20. There were fewer than 30 cars in the parking lot.











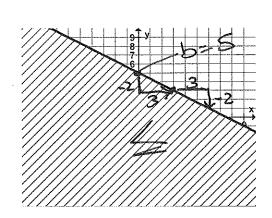
15) An automobile repair shop charges a service fee of \$50 plus \$20 per hour for the mechanic's time. A customer receives an estimate of at least \$150 for repairing his car. Which inequality can be used to represent this situation?

a)
$$50+20x$$
 (2) 50

c)
$$50x + 20 \le 150$$

(b)
$$50 + 20x \ge 150$$

16) Write the inequality shown in the graph below.



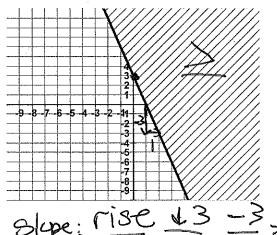
below.

$$U \leq -\frac{2}{3}X + 5$$
 $M = \frac{3}{3}$
 $b = 5$

Solid Line requal to shaded below below bestiven

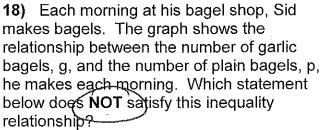
17) Which equation is shown by the graph at the should be slope Right?

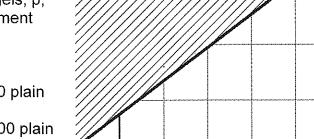
B)
$$y \ge -1/3 \times +3$$
C) $y \ge -3x +3$
D) $y \ge 3x +3$
Should a five $x = 3$
 $y \ge -1/3 \times +3$
 $y \ge 3x +3$
 $y \ge 3x +3$



Slope: rise 13 =3 = 3

$$m:-3 b=3$$





- A) Sid made 20 garlic bagels and 150 plain bagels
- B) Sid made 100 garlic bagels and 400 plain bagels
- C) Sid made 35 garlic bagels and 175 plain bagels

D) Sid made 75 garlic bagels and 250 plain bagels

Fido's vet has placed him on a diet; he is allowed no more than 1000 calories a day. Fido's 19) dry dog food has 200 calories per cup, and his biscuits have 400 calories each. Which inequality could be used to find d, the number of cups of dry food, and b, the number of biscuits, that Fido is allowed to eat each day?

A.
$$(200+400)(d+b) > 1000$$

s, that Fido is allowed to eat each day?

(200+400)
$$(d+b)$$
000

garlic

C.
$$(d+400)(b+200) \le 1000$$

£2800

20) Gold must be (no more than 2800° C to be in liquid form. Which inequality best represents the situation?

B)
$$g > 2800$$

$$(\hat{\mathbf{C}})$$
 $_{\mathscr{Y}} \leq 2800$

D)
$$_{\mathscr{I}}$$
 < 2800