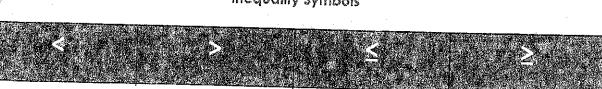
Inequality Symbols



Write in symbols.

The most it will cost is \$30.

You can have at least 3 of my Skittles. XZ3

Your quiz score is 92%.

Your age is less than 19 years.

X 4 19

Equations v. Inequalities?

$$-2 = n - 4$$

-2 > n -4

27N

Solve and describe in words.

2y - 5 < 7

Solve.

<u>o</u> ≤ 12

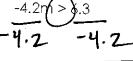
19436

-5x - 3 > 12

*Special Rules to Remember:

X or \div by a negative? -2x

* Fipthesign Xen



Graphing Inequalities

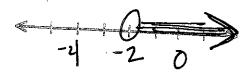
There are three pieces to graphing:

- 1. Number Line
- 2. Dot

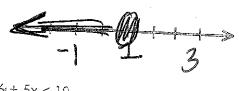
Sign	Dot
< and >	open -O
≤ and ≥	Closed -

3. Shading

STOPIN.



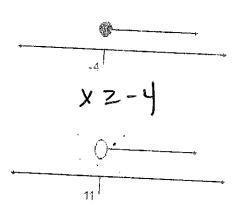
-x - 11 ≥ 23 兴의 X<-왜



-6 + 5x < 1976+5X 619 X L S

Do you think you can write the inequality from the graph?

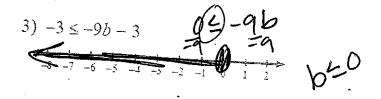
X7-8

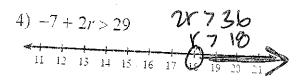


X 49

Practice: -10n-90 = -40 1) $-10(n+8) \le -40$ -10n (E) 40 X711

2) $7 + \frac{r}{10} \ge 6$ $r \ge -1.10$ $r \ge -1.0$ -14 -12





5)
$$7(-3x+7) < 154$$

$$-21x + 49 < 154$$

$$-21x (2) 105$$
6) $6(4x+1) \le 150$

$$1 = 150$$

$$1 = 150$$

$$1 = 150$$

$$1 = 150$$

$$1 = 150$$

$$1 = 150$$

$$1 = 150$$

$$1 = 150$$

$$1 = 150$$

$$1 = 150$$

$$1 = 150$$

