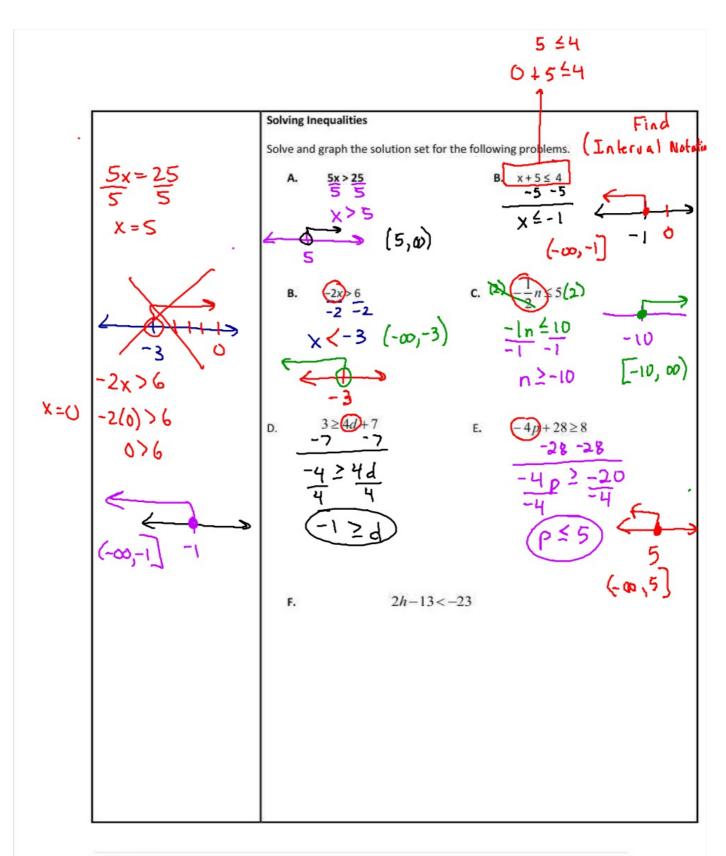
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Linear Unit Part 5 Solving Inequalities

	Solving Inequalities			
	Vocabulary:			
	Inequality is a mathe	matical sentence tha	t compares two unec	qual expressions.
	Here is a chart of words or phrases associated with the inequality symbols:			
Interval -	= (-00, 2)		(2,00)	(2,00)
Notation	graph left X < 2	graph left	graph right	graph right
	x < 2	x ≤ 2	x ≥ 2	$\mathbf{x} > 2$
>×	x less than	x less than or equal to	x greater than or	x greater than
	open dot		equal to closed dot	open dot
	>x	≥×	≤ x	< x
	Open dot means the number is			



Practice: Solve and graph the following inequalities, make your own number line.

1.
$$-5m < 20$$

$$2. \qquad \frac{j}{6} \le 0$$

3.
$$\frac{5a}{5} > -\frac{10}{5}$$

4.
$$(3) \frac{c}{3} \ge 6(-3)$$

5.
$$m+6>2$$

6.
$$y-3 < -4$$

7.
$$4x+11 \ge 19$$

8.
$$6 < \frac{x}{-2}$$

10.
$$5m-3>-18$$