

INEQUALITIES DRILL

Solve for x : $4x+2\leq 6$

How would you graph the inequality $x>2$ on a number line?

Solve for x : $-3x\geq 9$

Solutions

$$4x+2\leq 6$$

$$4x\leq 4$$

$$x\leq 1$$

Since the inequality includes a $>$ sign with no "equal" underneath, make the circle where it intersects 2 *hollow*:



When you multiply or divide an inequality by a negative number, the direction of the inequality sign changes:

$$-3x\geq 9 \rightarrow x\leq -3$$

PSAT Resource Links

PSAT Online Practice Tests: <https://www.crackpsat.net/psat/>

❖ PSAT Reading Practice Tests:

<https://www.crackpsat.net/psat/reading/>

❖ PSAT Writing and Language Tests:

<https://www.crackpsat.net/psat/writing-language/>

❖ PSAT Math Practice Tests:

<https://www.crackpsat.net/psat/math/>

PSAT Real Past Papers Download:

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