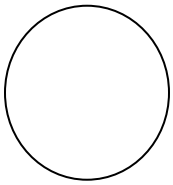


Inequalities on Number Line

* ○ = > and <
* ● = ≥ and ≤
* Remember: when x or ÷ both sides by a negative flip the inequality!!

Solve, check and graph each

Ex1) $x \geq 5$

Ex2) $y < -2$

Ex3) $x + 7 \leq 3$

Ex4) $-3.5 \leq y - 2.8$

Ex5) $2\frac{1}{3} > x + 5\frac{1}{6}$

Ex6) $3x - 7 < 8$

Ex7) $-6y + 5 \leq -16$

Ex8) $-\frac{1}{4}(p-12) > -2$

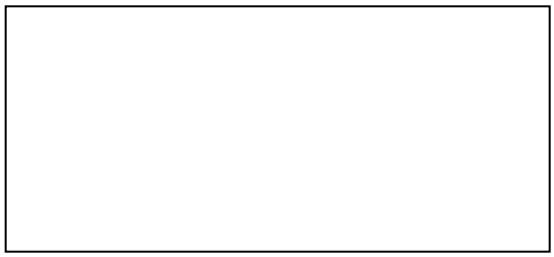
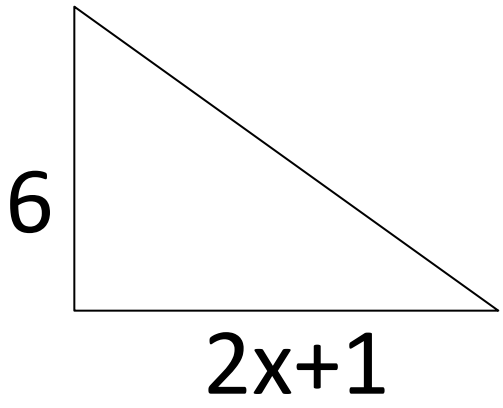
Ex9) $14x + 5 < 3(5x + 5)$

Ex10) $3x + 7 \geq 4x + 3 + (-1x)$

Ex11)Area ≤ 54

X+1

9



Ex12) Area <56