

# Review: Solving Multiple-Step Inequalities

Solve each inequality. Graph the solution.

1)  $3x - 7 \leq 10$

2)  $7 < -10 - x$

3)  $3x + 2 > 7x - 6$

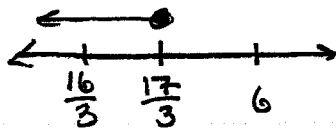
4)  $3(5 - x) \geq \frac{1}{2}(6x - 4)$

5)  $10 - \frac{1}{3}x \geq 14$

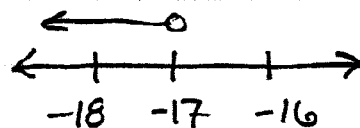
6)  $7 - 2(x + 1) < 3(2x + 1) - 6x$

Answers:

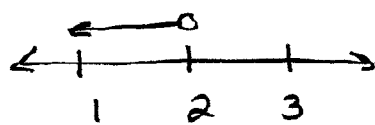
1)  $x \leq \frac{17}{3}$



2)  $x < -17$



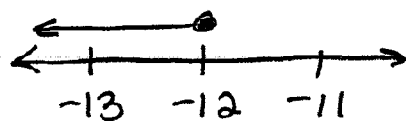
3)  $x < 2$



4)  $x \leq \frac{17}{6}$



5)  $x \leq -12$



6)  $x > 1$

