

Math 0020 June 20, 2007 Homework 8

Do textbook problems (but don't turn in) 2.9 # 1-61 odds

Graph the solution set for the following inequalities.

1) $x > 3$

2) $x \leq 9$

3) $x \geq -2$

4) $2 < x \leq 7$

5) $-5 \leq x < 2$

Solve the following linear inequalities.

6) $3x < 24$

7) $\frac{2}{3}x \leq 12$

8) $x + 6 > 2$

9) $-3x < 18$

10) $5 - x \leq 12$

11) $9x + 4 > x - 11$

12) $8 - 2(3x + 4) > 5x - 16$

13) $-2 < 5x + 2 < 3$

14) $-4 \leq 2 - x < 3$

15) $-4 \geq 3 - 2x \geq 0$

16) $-1 < -x < 4$

17) $\frac{-4x}{3} \geq 20$