Multi-Step Inequalities

Solve each inequality, and graph the solution.

1) $3(4x + 1) \geq 27$

2) $\dfrac{9x}{7} - 2 < x$
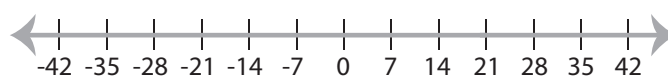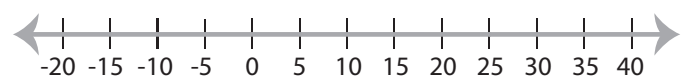
3)

5)

-20 -15 -10 -5 0 5 10 15 20 25 30 35 40

-42 -35 -28 -21 -14 -7 0 7 14 21 28 35 42

7) $\dfrac{3x - 20}{7} > 1$

8) $\dfrac{6x}{5} + 8 < 10 + x$

-18   -9   0   9   18   27   36

-20   -10   0   10   20   30   40