Solving Compound Inequalities

Multi-step: S2

Solve each inequality.

1) $-52 \geq 13(4x + 36)$ or $-6 \geq \dfrac{x}{2} + x$

2) $3 \geq \dfrac{x + 19}{8}$ and $\dfrac{x - 15}{10} < -4$

3) $-9 \leq \dfrac{8x + 5}{3} < 15$

or $\dfrac{7x - 2}{5} \geq 8$

5) $\dfrac{-x + 35}{4} > 11$ or $\dfrac{-x -}{7}$

d $-27 > 3(2x - 5)$

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7) $x + \dfrac{6x}{5} \leq -22$ and $13(7 + 5x) < 26$

8) $6 > \dfrac{3x - 9}{2} > -12$