

Name:
Period:
Date:

Absolute Value inequalities and equations

Solve and Graph

① $|x+7| < 12$

② $|x+3| < 48$

③ $|x-1| \geq 100$

④ $|x+5| > 25$

⑤ $|x+20| \leq 13$

Hint: Dist. first
↓

Solve

⑥ $3x+7 < -2$

⑦ $2-3(x-1) = 13$

⑧ $\frac{1}{2}x + 1 \geq 17$

⑨ $3x+6 = x+22$

⑩ $\frac{4x}{3} - 12 \leq 0$