

Solving Inequalities Using Addition or Subtraction

Solve and graph each inequality.

$$1) f - 5 < -12$$

$$\begin{array}{r} +5 \quad +5 \\ \hline \end{array}$$

$$f < -7$$



$$2) -3 \leq c + 5$$

$$\begin{array}{r} -5 \quad -5 \\ \hline \end{array}$$

$$-8 \leq c$$



- 3) Your cell phone has 16 GB of storage capacity. You have used 12.5 GB. Write and solve an inequality to find the possible amount of storage that can be used.

C = Storage capacity that can be used

$$C + 12.5 \leq 16$$

$$\begin{array}{r} -12.5 \quad -12.5 \\ \hline \end{array}$$

$$C \leq 3.5 \text{ GB}$$