10. 1 Solving 1-Step Equations

Rules. Always work down

- Seperate equation with a line to keep sides organized
- Identify variable. Goal is to have only the variable on one side

23. To get the variable "alone", you must UNDO the math around it so follow SAMDEB to SOLVe.

- Any operation must be doneon both sides.
Solve the following:
a)

b)

c)

$$
\begin{aligned}
& 16=x+5 \\
& -5=x-5 \\
& 11=x
\end{aligned}
$$

d)

$$
\begin{aligned}
& -13.2+x=17 \\
& +13.2 \underbrace{+13.2} \\
& x=30.2
\end{aligned}
$$

e)

f) Shows 4.5 times $x$

9)

$$
\begin{aligned}
-21.84 & =8.4 x \\
\div 8.4 & \div 8.4 \\
-2.6 & =x
\end{aligned}
$$

h)

i)

$$
\begin{aligned}
& \left.\frac{x .5}{2.5}=22(2.5) \quad j\right) \frac{x}{3}=-9.8(3) \\
& \underbrace{x}=55
\end{aligned}
$$

