## p96(3-6,10,22-25)



## Graph $\left.\mathbf{y}=\frac{2}{1}\right)+3$



## 2.6: Special Functions

## Piecewise Function

 $f(x)=\begin{aligned} & 2 x+3, \\ & -x \geq-2 \\ & -x<-2\end{aligned}$

$$
f(x)=\left\{\begin{array}{l}
\frac{-2 x+1, x<1}{x+2, x \geq 1}
\end{array}\right.
$$

$$
\begin{array}{l|l|l}
x & y & \\
\hline! & -1 & \frac{y}{1} \\
0 & 1 & 1 \\
-1 & 1 & 3 \\
-1 & 3 & 3 \\
\hline
\end{array}
$$




# Math Practice: p105(12-17) 

$$
f(x)=|x| \text { is a piecewise function } \quad f(x)=\left\{\begin{array}{l}
x, x>0 \\
0, x=0 \\
-x, x<0
\end{array}\right.
$$

Graph $f(x)=|x+2|$

