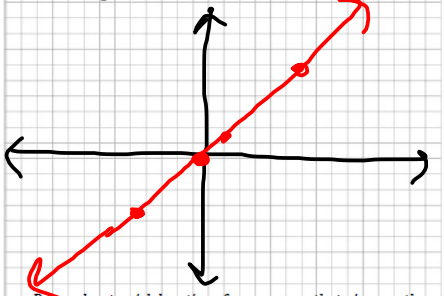
Function: $f(x) = x$

Family: Linear

Key Points

x	$f(x)$
-3	-3
0	0
1	1
7	7

Graph the Axes and the Function



Remember to pick locations for your axes that give you the best picture of your function and then label your axes.

$f(x) = 3x + 2$

Domain	
Written Description	Interval Notation
all real #s	$(-\infty, \infty)$
Range	
Written Description	Interval Notation
all real #s	$(-\infty, \infty)$

Intercepts: (0, 0)

Symmetry: y-axis origin none

Why is this a function?

passes vertical line test

Write at least one thing that describes this function that will help you remember it.

ex. a description of the shape, where it crosses the x-axis, how it's different from another similar function

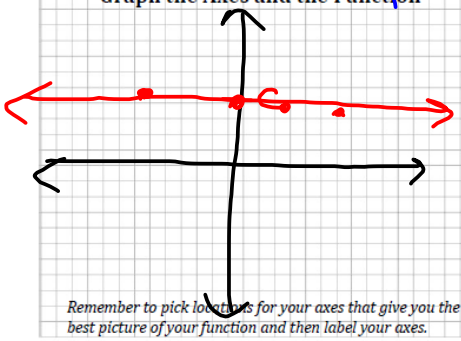
Function: $f(x)=C$ or $f(x)=5$, $f(x)=-1$, $f(x)=\pi$

Family: Constant

Key Points

x	$f(x)$
-3	C
0	C
1	C
7	C

Graph the Axes and the Function



Remember to pick locations for your axes that give you the best picture of your function and then label your axes.

Domain	
Written Description: all real #s	Interval Notation: $(-\infty,\infty)$
Range	
Written Description: C	Interval Notation: $\{C\}$
Intercepts: x-int: none	y-int: $(0,C)$
Symmetry: y-axis	
Why is this a function?	
Write at least one thing that describes this function that will help you remember it. *ex. a description of the shape, where it crosses the x-axis, how it's different from another similar function*	