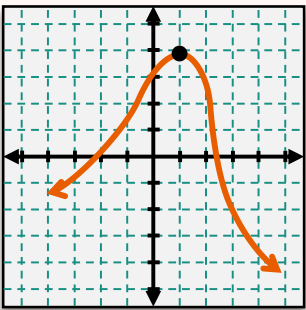
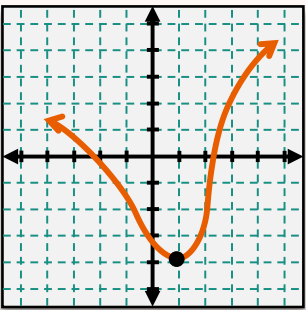
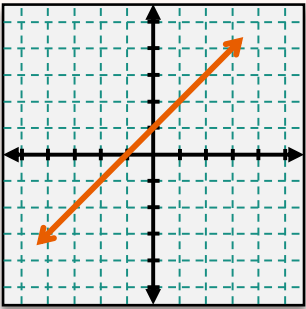
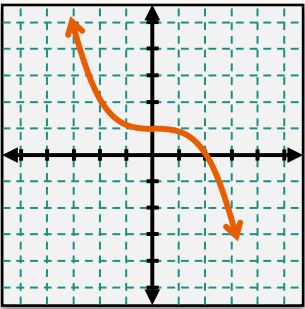
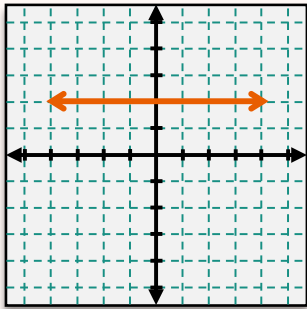
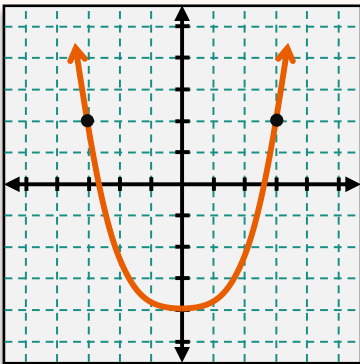
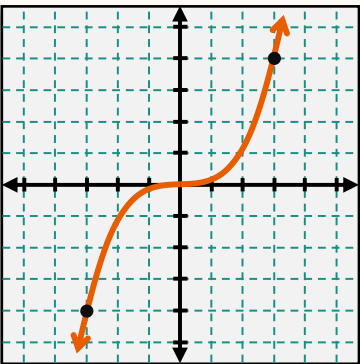
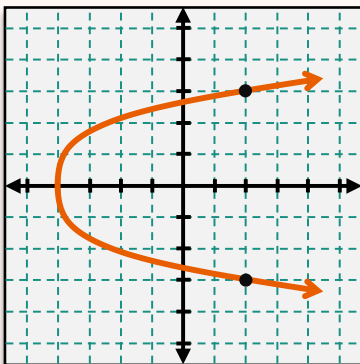


TOPIC: PROPERTIES OF FUNCTIONS

Summary of Function Properties

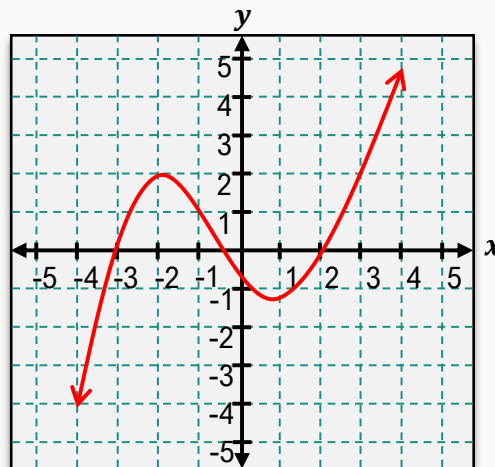
◆ You'll need to identify different characteristics of functions *from* their graphs & *to* graph them.

PROPERTIES OF FUNCTIONS		
Max	Min	
$f(c) [\geq \leq] f(x)$ for all x 	$f(c) [\geq \leq] f(x)$ for all x 	
Increasing	Decreasing	Constant
 <p>Graph [↑ ↓] to the right</p>	 <p>Graph [↑ ↓] to the right</p>	 <p>Graph is _____</p>
Symmetric on y – axis	Symmetric about Origin	Symmetric on x – axis
 <p>[EVEN ODD NOT A] function $f(-x) = \underline{\hspace{2cm}}$</p>	 <p>[EVEN ODD NOT A] function $f(-x) = \underline{\hspace{2cm}}$</p>	 <p>[EVEN ODD NOT A] function</p>

TOPIC: PROPERTIES OF FUNCTIONS

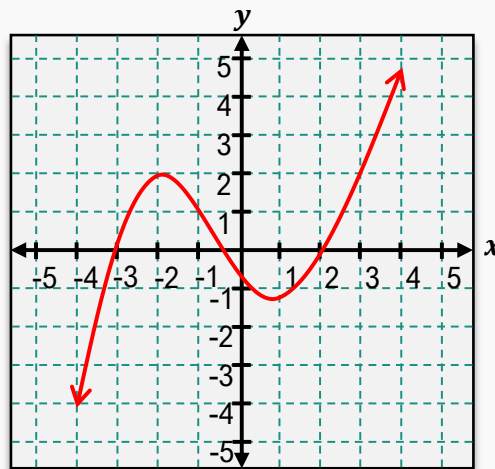
PRACTICE

Given the graph of the following function, determine the intervals on which $f(x)$ is increasing.



PRACTICE

Given the graph of the following function, determine the intervals on which $f(x)$ is decreasing.



TOPIC: PROPERTIES OF FUNCTIONS

PRACTICE

Given the graph of the following function, determine where the graph reaches a maximum.

