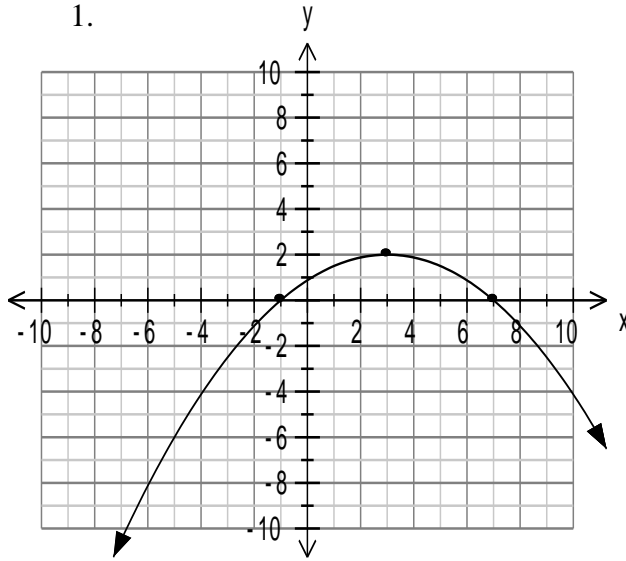


Name: _____

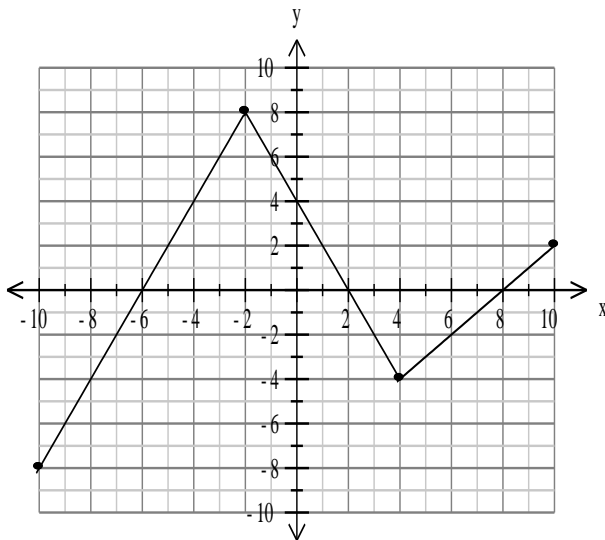
Properties of Functions Practice ☺

1.



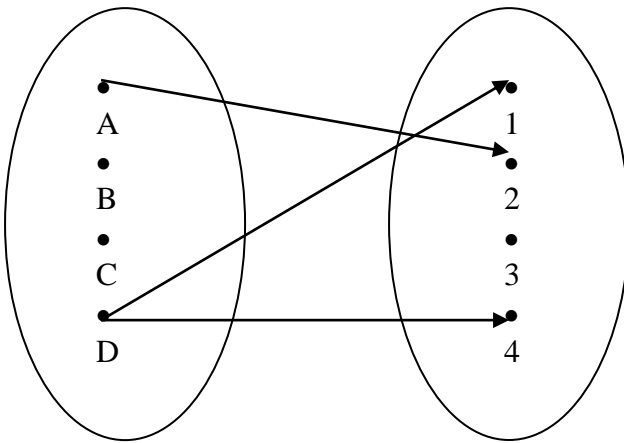
Is it a function?	Yes _____ No _____ (check one)
Domain:	
Range:	
Maximum(abs/rel):	
Minimum(abs/rel):	
Positive:	
Negative:	
Zeros:	
Increasing:	
Decreasing:	

2.



Is it a function?	Yes _____ No _____ (check one)
Domain:	
Range:	
Maximum (abs/rel):	
Minimum (abs/rel):	
Positive:	
Negative:	
Zeros:	
Increasing:	
Decreasing:	

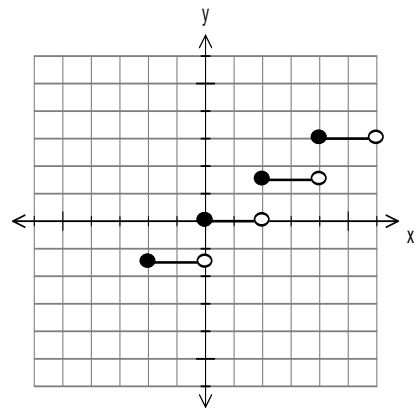
3. Indicate if the relation shown is a function or not. If so state the domain and range.



a) Yes No (check one)

$\{(0,0), (1,2), (3,2), (4,2)\}$

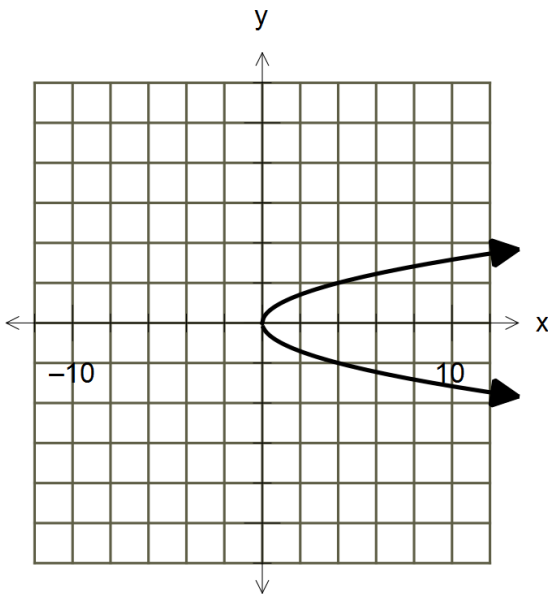
c) Yes No (check one)



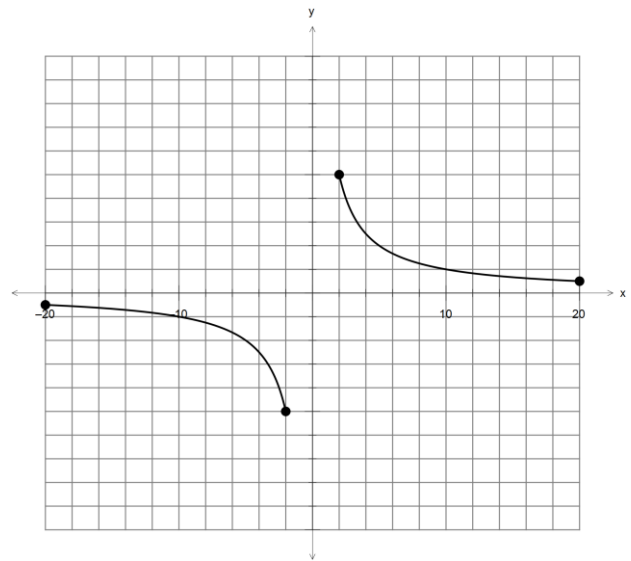
b) Yes No (check one)

$y = -2x + 4$

d) Yes No (check one)

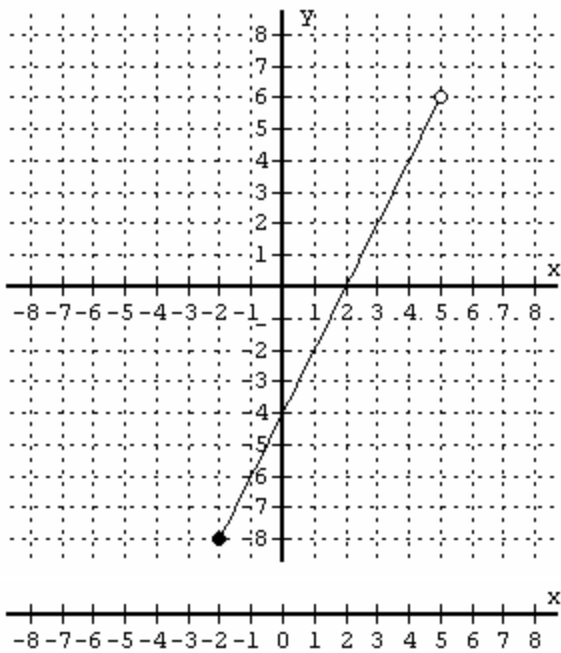


e) Yes No (check one)



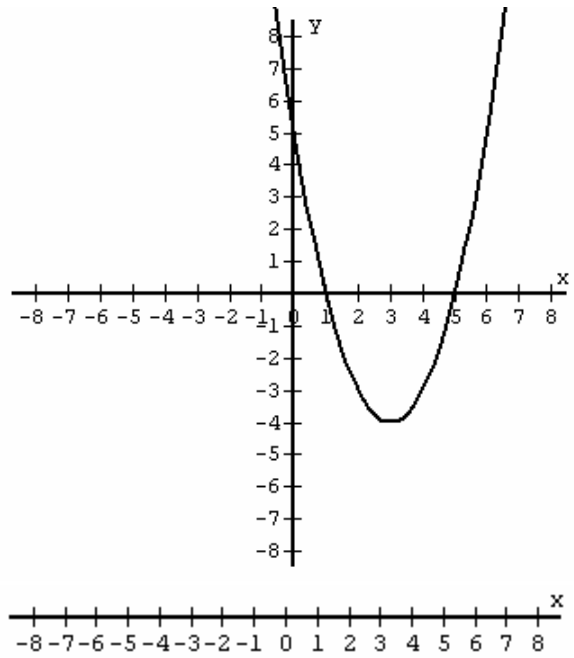
f) Yes No (check one)

Examine the Graph 1



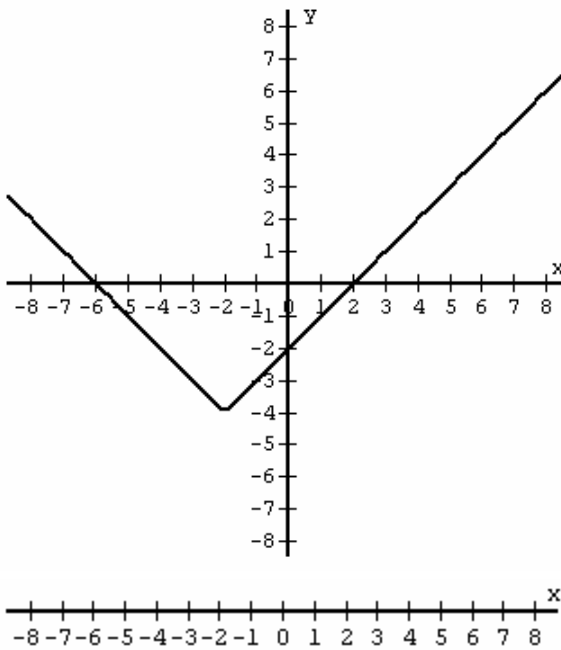
1) Where is $f(x) \geq 0$?

Interval Notation



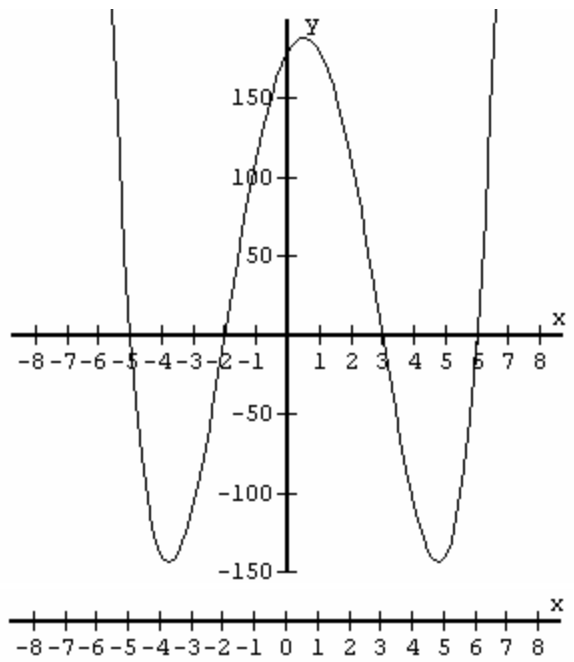
2) Where is $f(x) \leq 0$?

Interval Notation



3) Where is $f(x) > 0$?

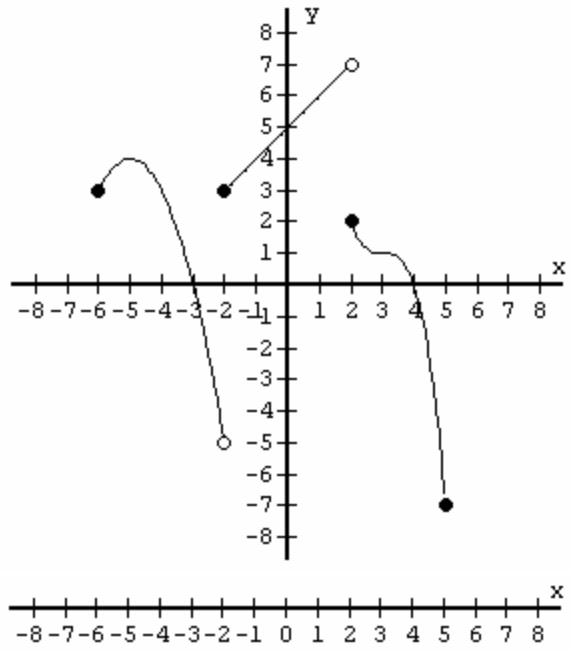
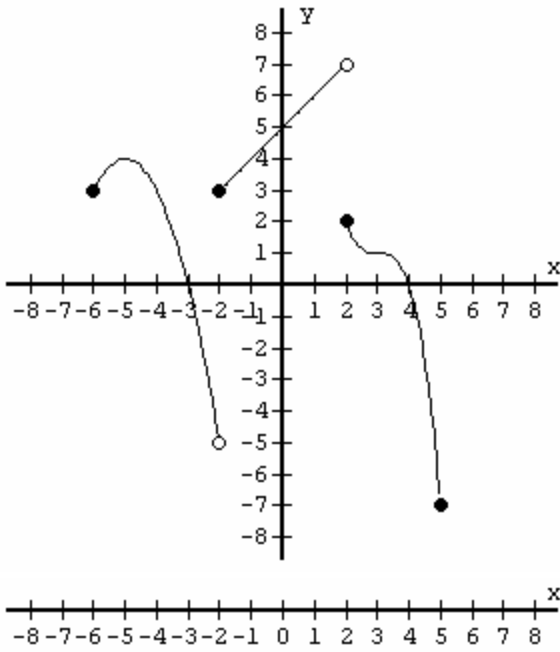
Interval Notation



4) Where is $f(x) < 0$?

Interval Notation

Examine the Graph 2

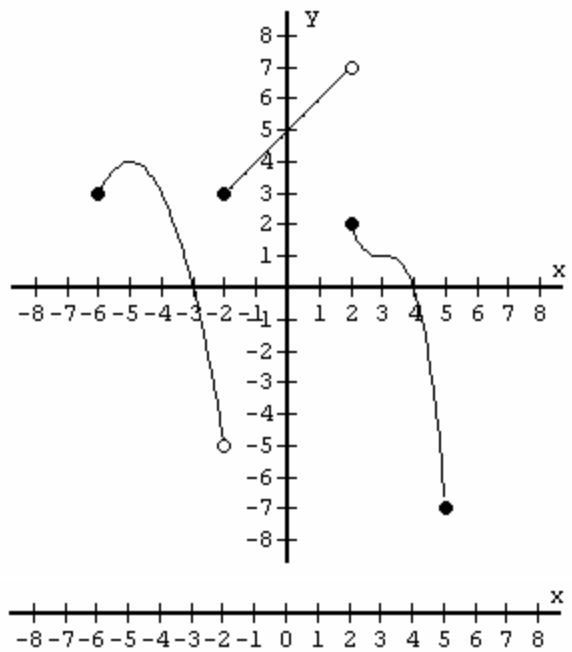
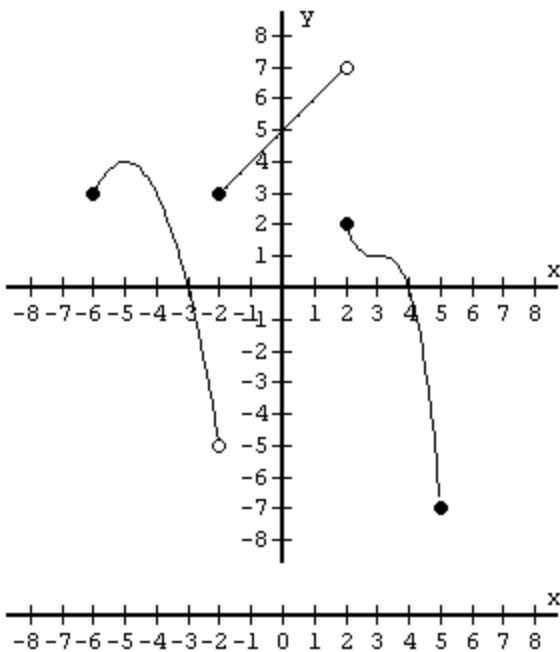


1) Where is $f(x) > 0$?

Interval Notation

2) Where is $f(x) \leq 0$?

Interval Notation

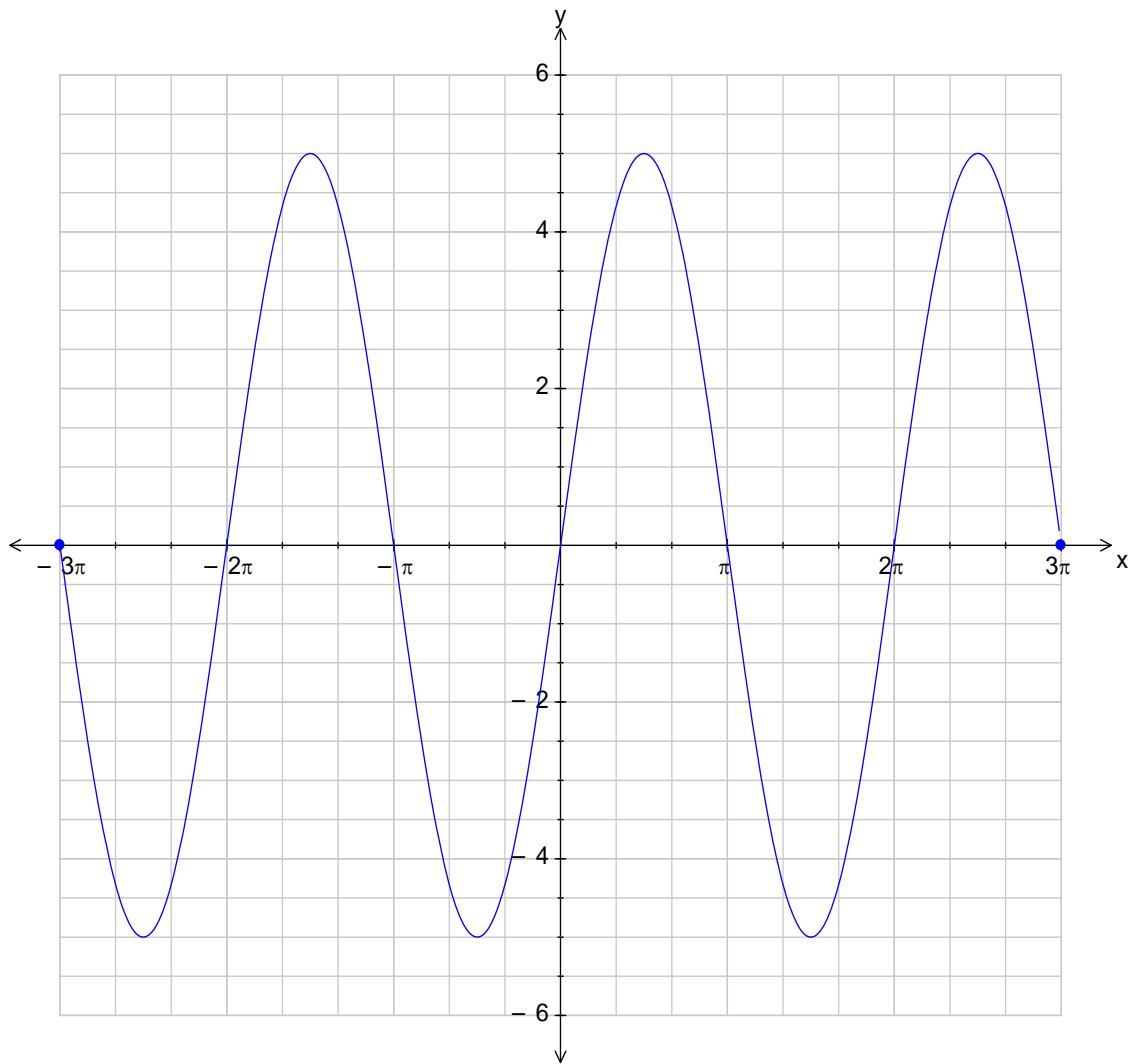


3) Where is $f(x)$ increasing ?

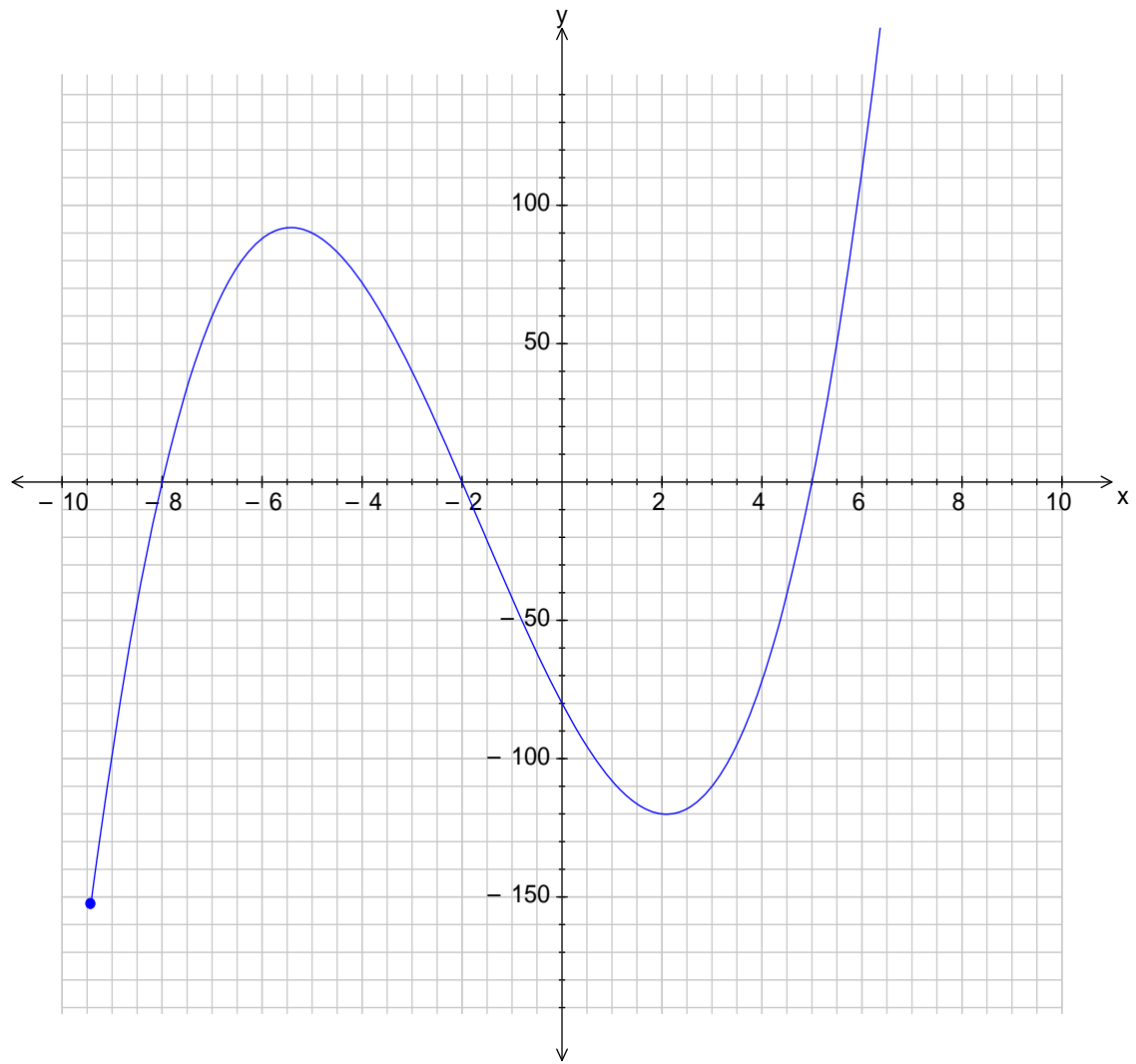
Interval Notation

4) Where is $f(x)$ decreasing ?

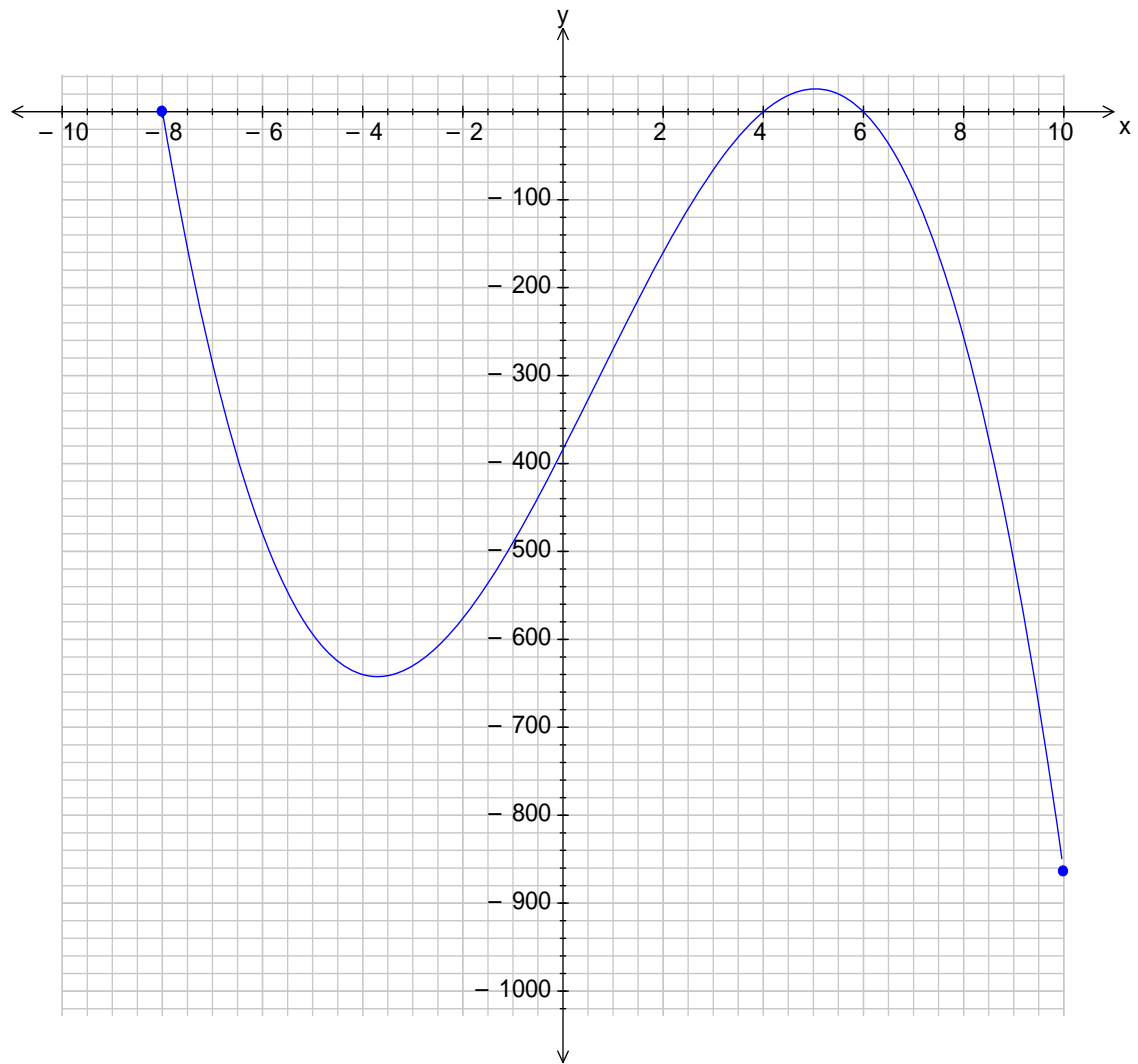
Interval Notation



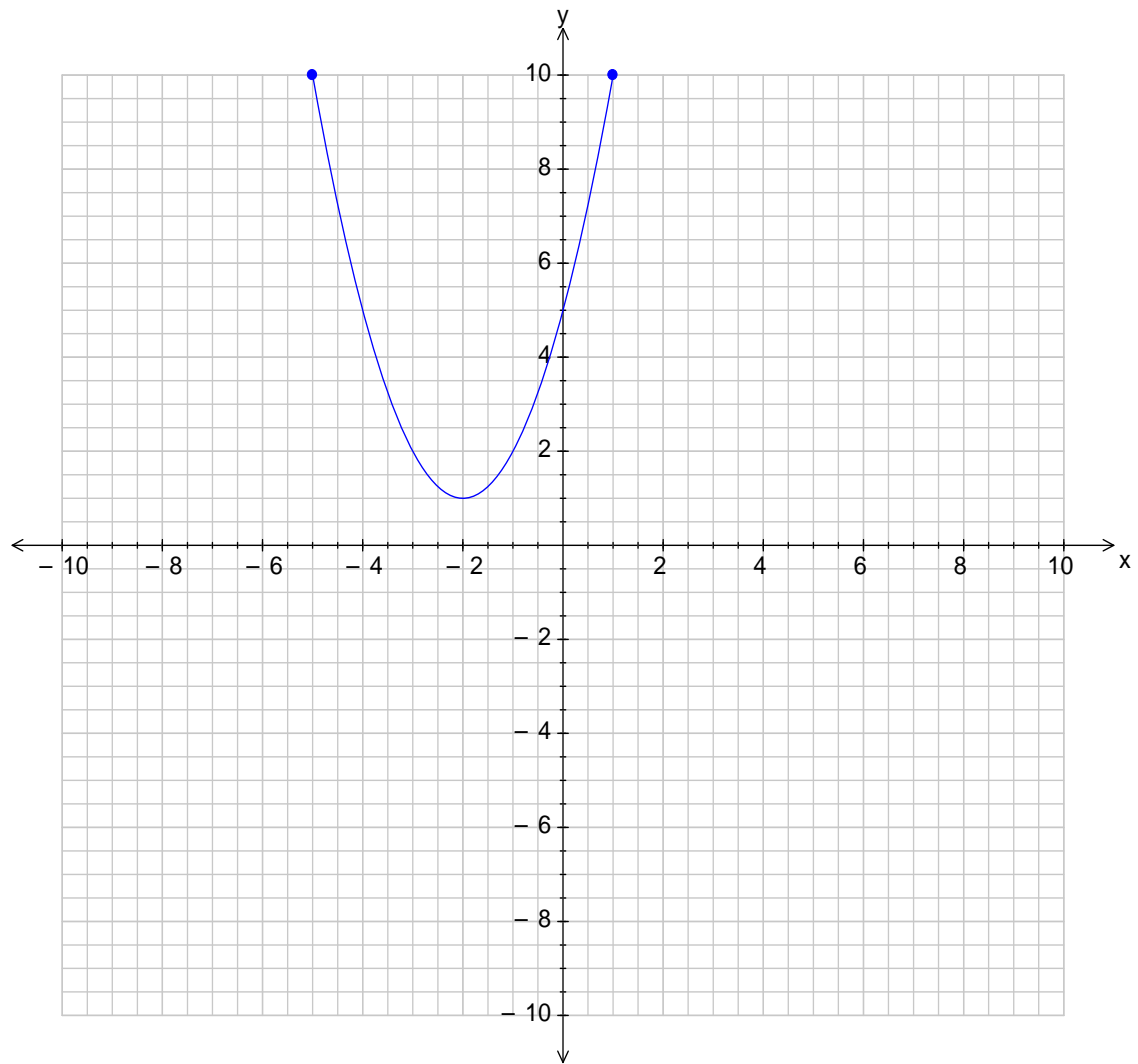
Domain:	
Range:	
Zero(s) approx.	
Initial value	
Positive	
Negative	
Absolute Max	
Relative Max	
Absolute Min	
Relative Min	
Increasing	
Decreasing	



Domain:	
Range:	
Zero(s) approx.	
Initial value	
Positive	
Negative	
Absolute Max	
Relative Max	
Absolute Min	
Relative Min	
Increasing	
Decreasing	



Domain:	
Range:	
Zero(s) approx.	
Initial value	
Positive	
Negative	
Absolute Max	
Relative Max	
Absolute Min	
Relative Min	
Increasing	
Decreasing	



Domain:	
Range:	
Zero(s) approx.	
Initial value	
Positive	
Negative	
Absolute Max	
Relative Max	
Absolute Min	
Relative Min	
Increasing	
Decreasing	