

# Do Now – Mixed Practice

- You put a pizza in the oven. After 45 minutes, you take it out. Let  $f(t)$  be the temperature of the pizza  $t$  minutes after you placed it in the oven.
- In situations a-d, explain the meaning of the statement in everyday language.

a)  $f(0) = 375$

b)  $f(5) < f(10)$

c)  $f(40) = f(45)$

d)  $f(45) > f(60)$

# Yesterday's Quiz Results – Domain+Range

- Class Average
- Club 100%

# Graph Analysis, Day 1

6/27/14

# Things We Care About

- 1) X-Intercept(s)
- 2) Y-Intercept
- 3) Extrema (Maxima and Minima)
- 4) Intervals of Increase/Decrease
- 5) End Behavior

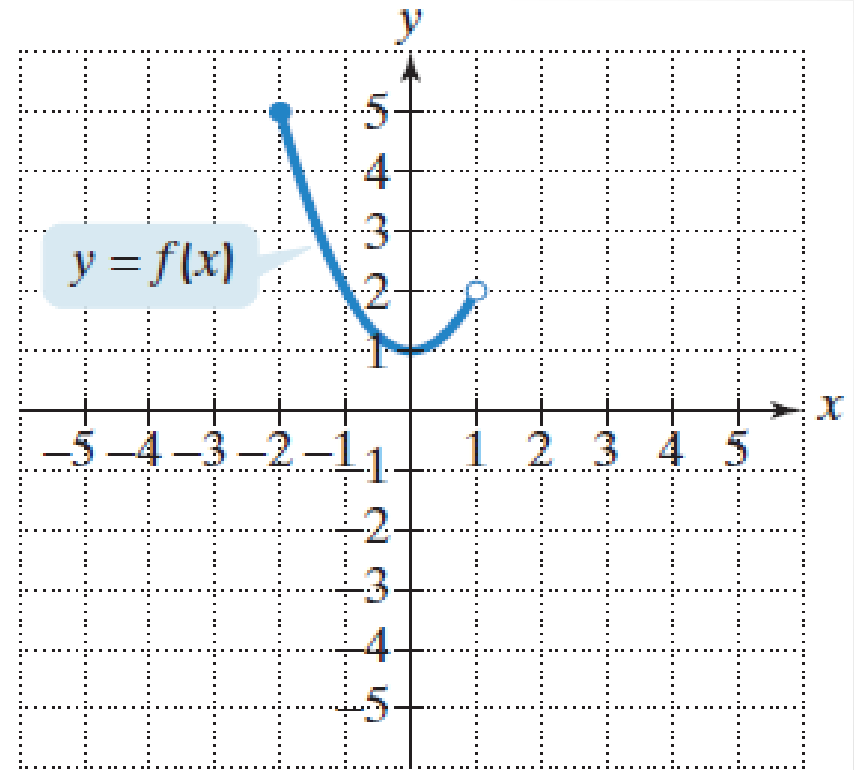
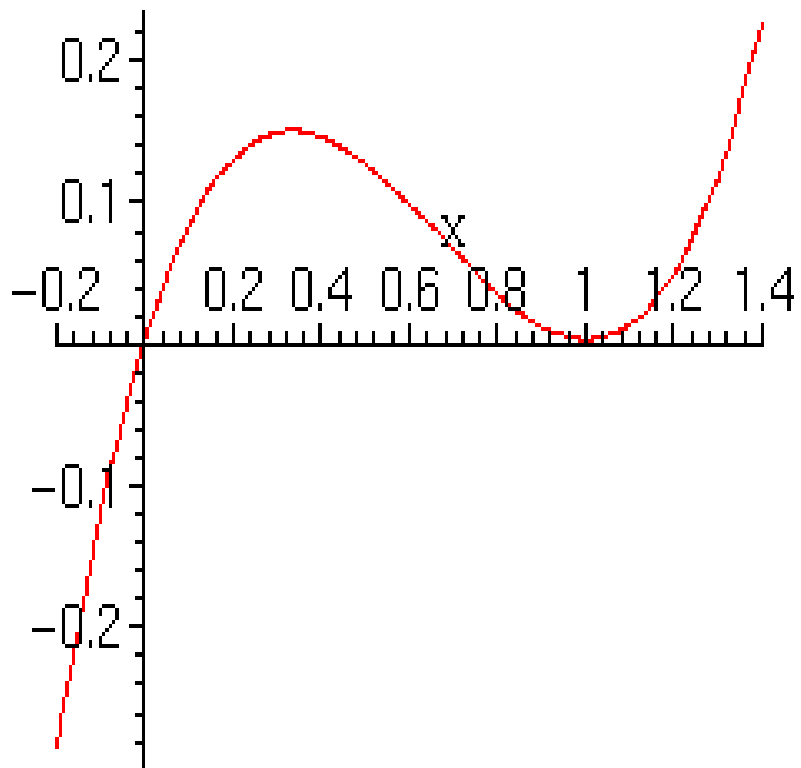
# X-Intercepts

- What is an x-intercept?
- How can you find them from an equation?
- How can you find them from a graph?
- How can you find them from a table?

# Y-Intercepts

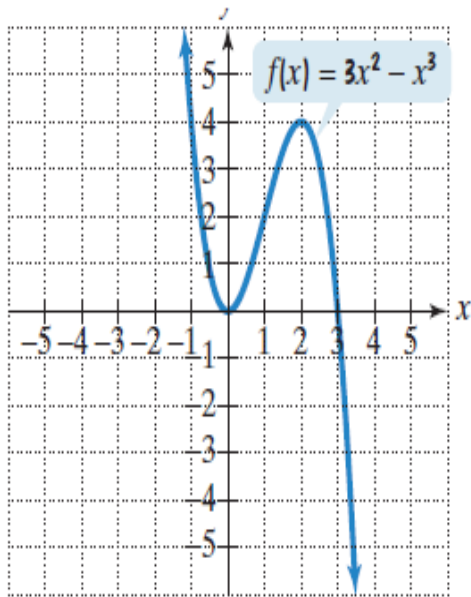
- What is a  $y$ -intercept?
- How can you find it from an equation?
- How can you find it from a graph?
- How can you find it from a table?

# Extrema (Maxima/Minima)

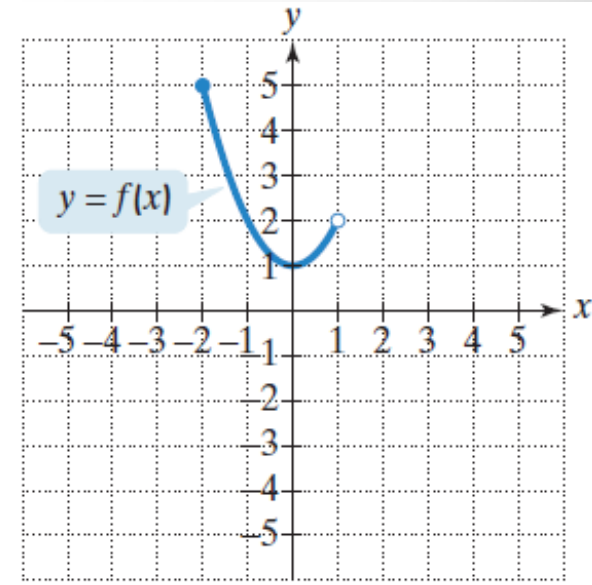
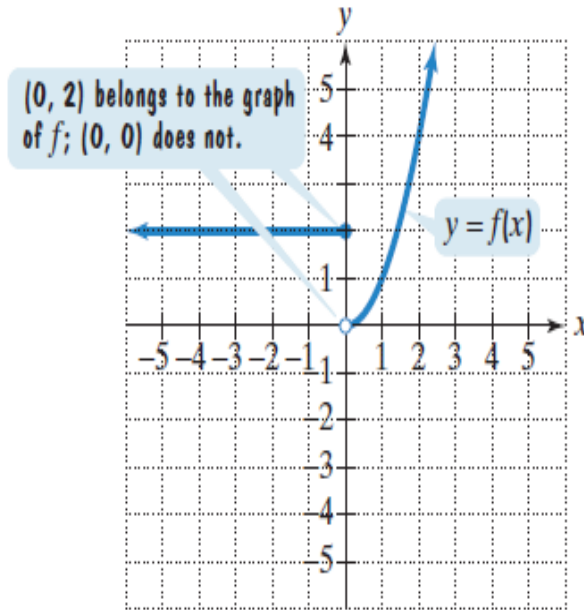


# Intervals of Increase/Decrease

a.



b.





# Classwork Practice

# Exit Quiz