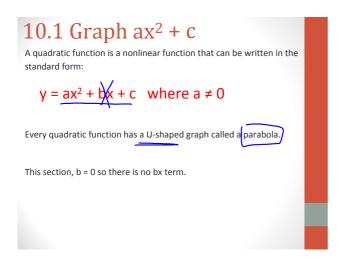
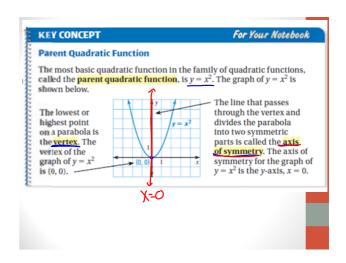
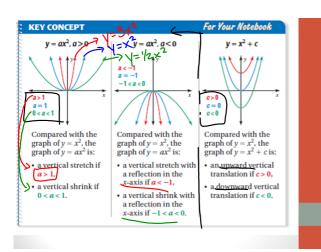
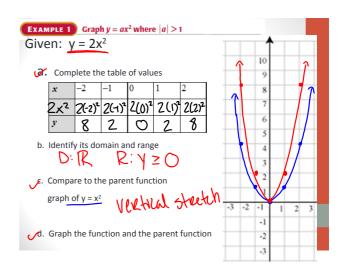
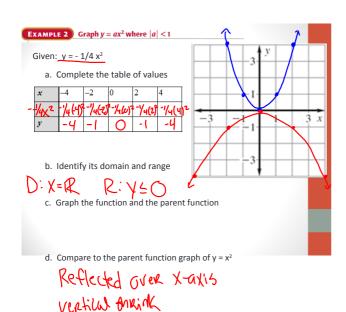
10.1 Notes.notebook March 24, 2014

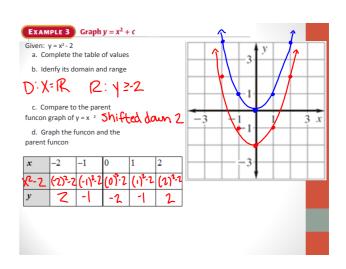




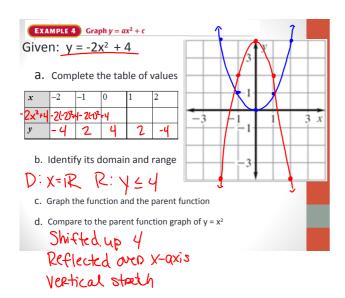


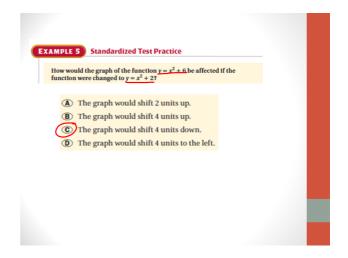






10.1 Notes.notebook March 24, 2014





Example 6- Extended Response

Egg Contest For an engineering contest, you have to create a container for an egg so that the container can be dropped from a height of 30 feet without breaking the egg

The height y (in feet) of the dropped container is given by the function y = -16t2 + 30 where t is the time (in seconds since the container is dropped.

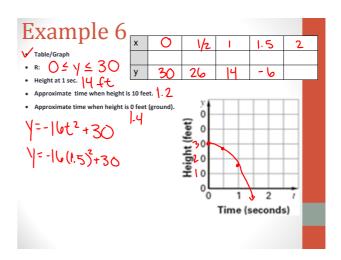
a. Graph the function.

b. Identify the range of the function in this situation.

c. Find the egg's height at 1 second.

d. Use the graph to estimate when the egg is at a height of 10 feet.

e. Use the graph to estimate when the egg is on the ground.



Homework

10.1 Pracce
B Worksheet