Algebra 1

Name_____

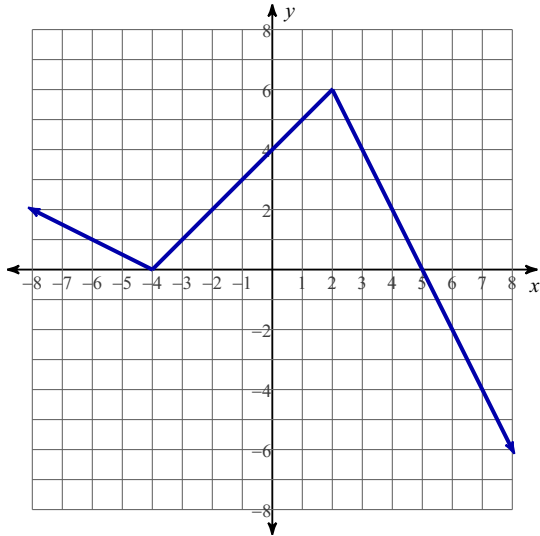# Positive and Negative Intervals

Period____

Write in INTERVAL FORM all intervals that are
a. POSITIVE   b. NEGATIVE   c. ZERO
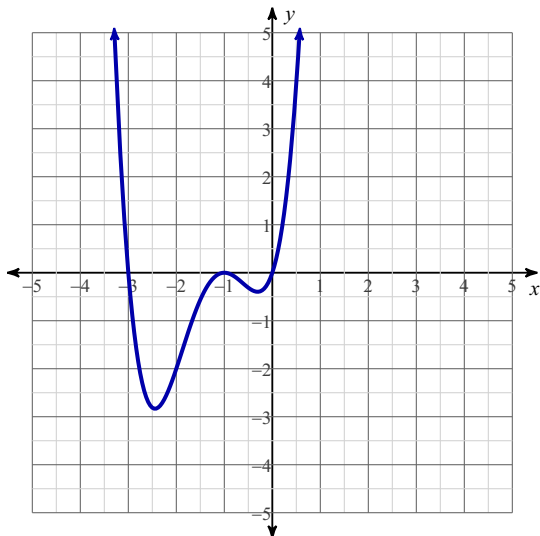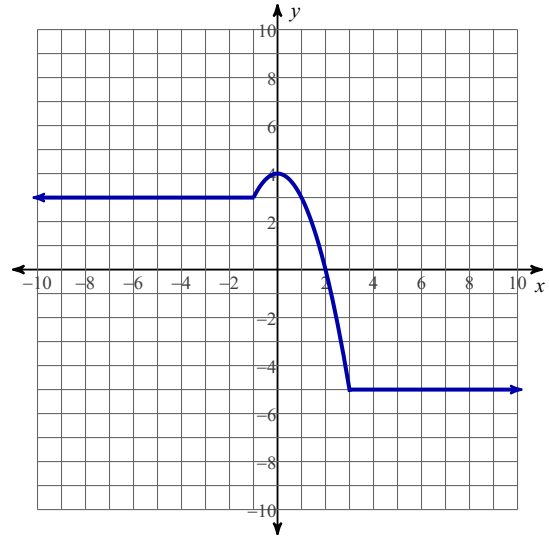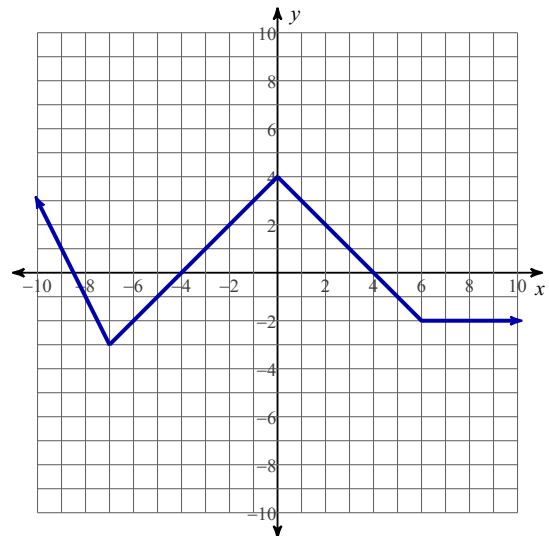
1)

a. Positive:

b. Negative:

c. Zero(s):

2)

a. Positive:

b. Negative:

c. Zero(s):
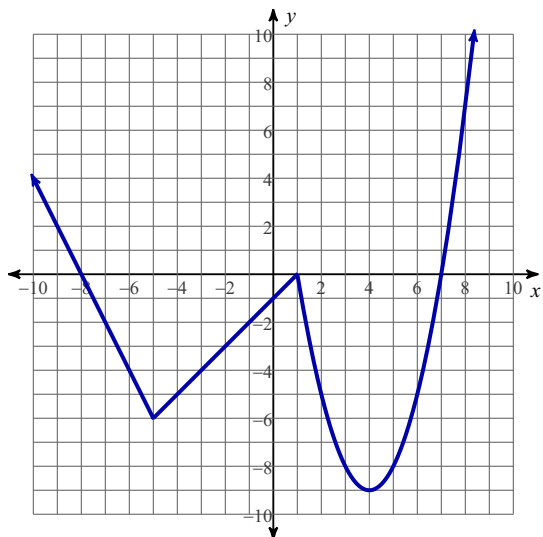
3)

a. Positive:

b. Negative:

c. Zero(s):

4)

a. Positive:

b. Negative:
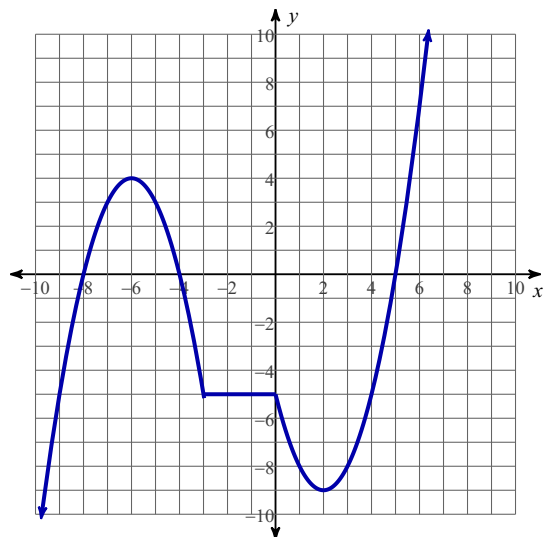
c. Zero(s):

 Made with Infinite Algebra 2.

5)

a. Positve:

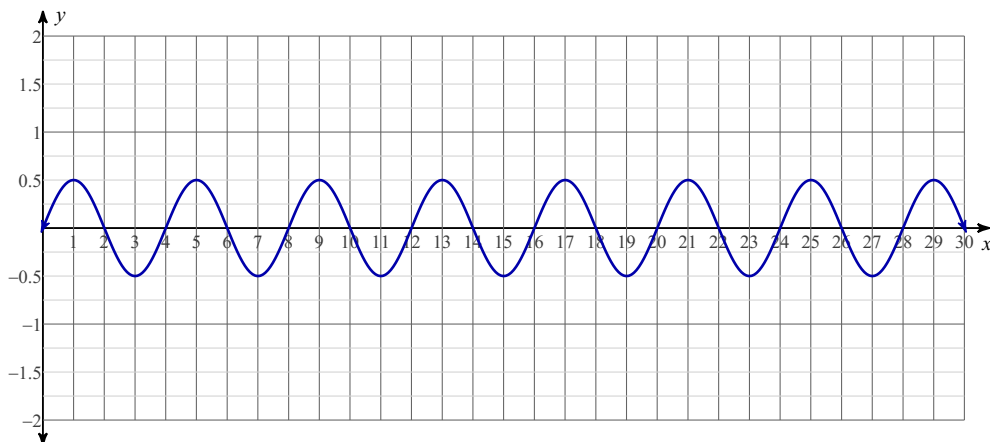b. Negative:

c. Zero(s):

6)

a. Positive:

b. Negative:

c. Zero(s):

7)

Alejandro, who is the top swimmer of his team, is training for the meet and is doing laps in the pool. Coach Lawrence sees that when Alejandro is doing the butterfly stroke, his head and shoulders go above and below the water at regular intervals. He maps out his observations on the x/y plane.

The positive intervals of the graph represent the number of times that Alejandro's head and shoulders were above the water.

a. In a 30ft pool, how many times was Alejandro's head above the water?

b. List all of them in interval notation.

c. Halfway through his lap, was Alejandro's head above or below the water?