Intermediate Algebra B ***Name _____***

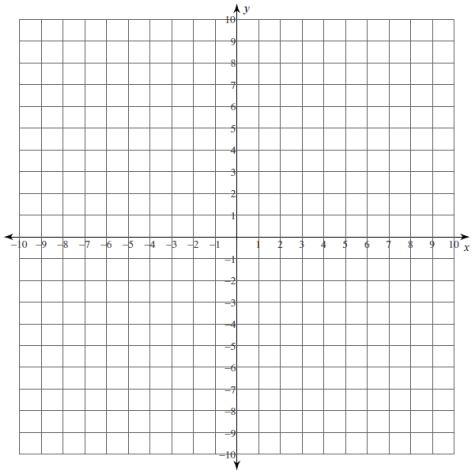
Radical Functions Re-Teach ***Hour 1 2 3 4 5***

7.1 I can graph square root and cube root functions and demonstrate understanding of the significant features of its graph.

Level 1

Graph each of the following

1. $y = \sqrt{x-5} - 2$



Increasing or Decreasing? (Circle one)

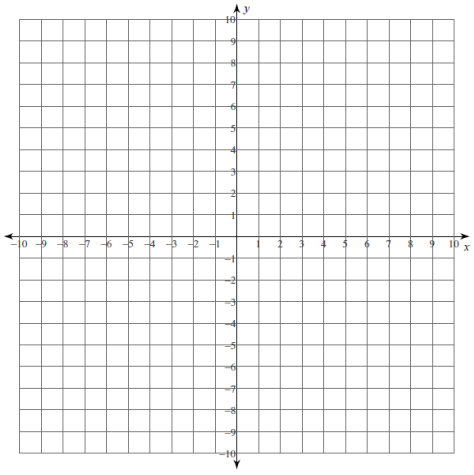
Domain:_____

Range:_____

x-intercept:_____

y-intercept:_____

2. $y = -\sqrt{x+6}$



Increasing or Decreasing? (Circle one)

Domain:_____

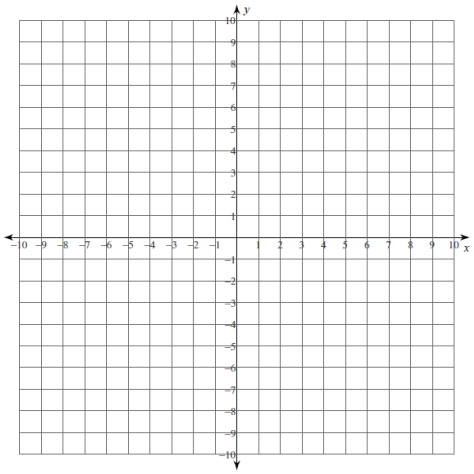
Range:_____

x-intercept:_____

y-intercept:_____

7.1 I can graph square root and cube root functions and demonstrate understanding of the significant features of its graph.

3. $y = -\sqrt[3]{x} + 5$



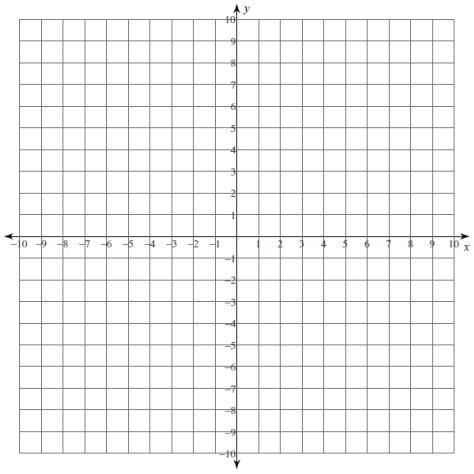
Increasing or Decreasing? (Circle one)

Domain:_____

Range:_____

Point of Inflection:_____

4. $y = \sqrt[3]{x+2} - 4$



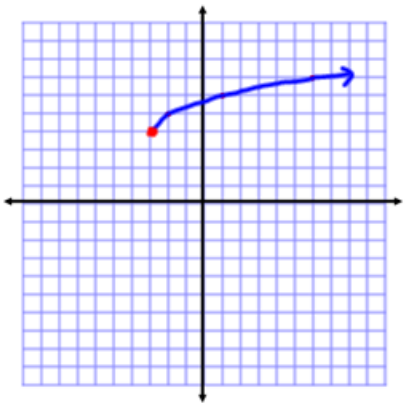
Increasing or Decreasing? (Circle one)

Domain:_____

Range:_____

Point of Inflection:_____

5. Which choice is the equation of the graph below?



a. $f(x) = \sqrt{x-3} + 4$
b. $f(x) = \sqrt{x+3} + 4$
c. $f(x) = \sqrt{x} - 3 - 4$
d. $f(x) = \sqrt{x+3} - 4$