NC Math 1B Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Unit 4 Part II Lesson 1.75 Homework: More Key Features**

I. Identify the Key Features for each graph



1. vertex: axis of sym:

 solution(s): y-intercept:

 x-intercept(s):

domain: increase:

range: decrease:

Maximum or Minimum (circle)



2. vertex: axis of sym:

 solution(s): y-intercept:

 x-intercept(s):

domain: increase:

range: decrease:

Maximum or Minimum (circle)



3. vertex: axis of sym:

 solution(s): y-intercept:

 x-intercept(s):

domain: increase:

range: decrease:

Maximum or Minimum (circle)

**II. Solve by the indicated method**

1. Factoring: $3x^{2}+24x+45=0$ 2. Square Root: $(3x-5)^{2}=4$