**Notes for Distance and Midpoint**

**Video 1 for Distance Formula**

<http://www.virtualnerd.com/algebra-1/radical-expressions-equations/distance-midpoint-formulas/distance-formula/distance-formula-definition>

**Video 2 for Distance Formula** **Example**

<http://www.virtualnerd.com/algebra-1/radical-expressions-equations/distance-midpoint-formulas/distance-formula/distance-two-points-example>

**Video 3 for Midpoint Formula**

<http://www.virtualnerd.com/algebra-1/radical-expressions-equations/distance-midpoint-formulas/midpoint-formula/midpoint-line-segment-example>

**Video 4 for Midpoint Example**

<http://www.virtualnerd.com/algebra-1/radical-expressions-equations/distance-midpoint-formulas/midpoint-formula/midpoint-between-coordinates>

**Website for online practice for Distance Formula and Midpoint Formula**

<http://www.regentsprep.org/Regents/math/geometry/GCG3/PracDistance.htm>

Notes:

Video 1: Distance Formula is d =

Video 2: Example 1: Find the distance between (3,4) and (2,2)

Video 3: Midpoint Formula is midpoint = ( , )

Video 4: Example 2: Find the midpoint between the two points (3,4) (2,2)

Website for online practice: Try problems 1 – 6 on the distance formula. For problems

 5 and 6 you will need to graph the image on graph paper.

 Show your work below and ask questions if you do not

 understand.

1. 2.

 3. 4,

Remember to use graph paper also on problems 5 and 6.

5. 6.