



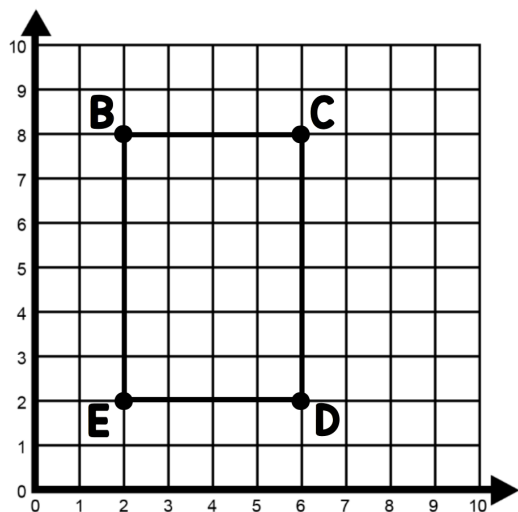
Directions:

Name: \_\_\_\_\_ Period: \_\_\_\_\_ 9.27.19 Honors

Determine what information you need to properly and thoroughly describe the problems below. Each statement on the left has student responses. Some responses are incorrect, partially correct, or correct. Some while correct are incomplete responses that could be improved upon. Some questions need additional information to be provided in order to solve with certainty. Look at each response and determine if you agree with it or disagree. Correct any mistakes and add to the response if it can be made better.

*Student Problem:*

**A figure on a coordinate plane is dilated by a scale factor that is less than one.**



**Rectangle BCDE will be dilated by a scale factor of  $\frac{3}{2}$ .**

**Center of Dilation: (0,0)**

*Student Statement:*

Felicita says “The new figure will be smaller, but congruent because its angles do not change”.

Philip says “The figures are similar.”

Allen says “The new figure is a reduction because the scale factor is a fraction”.

Michaela says “You can draw rays from the origin (0,0) to find the new points.”

Stefan says “The image of the new rectangle will be congruent to the original because both are rectangles which have 4 right angles.”

*Show what you know:*

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