BECA / Dr. Huson / 10th Grade Geometry 25 October 2018

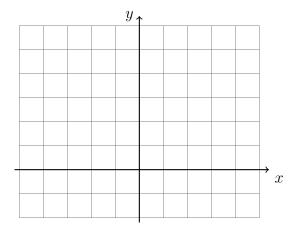
Name:

Do Now: Midpoint and distance review

Show your work. For graphs, use a pencil and straight edge.

1. Given A(-2,5) and B(4,1).

- (a) Plot and label the points on the graph, drawing \overline{AB}
- (b) Write down the midpoint formula, substituting coordinate values.
- (c) Find the midpoint's coordinates.
- (d) Plot and label the midpoint, M, on the graph.



2. Given C(-4, -3), D(2, 5), and E(2, -3).

- (a) Plot and label the points on the graph, drawing \overline{CD}
- (b) Draw the legs of the right triangle, \overline{CE} and \overline{ED} , marking their lengths.
- (c) Write down the distance formula for CD, substituting coordinate values.
- (d) Find the value of CD.

