

**Geometry – Unit 1 Task**  
**Finding Midpoints**

G.CO.A.1, G.GPE.B.4, G.GPE.B.6

Name: \_\_\_\_\_!

Date: \_\_\_\_\_ Pd: \_\_\_\_\_

Triangle  $ABC$  has coordinates  $A(3, 9)$ ,  $B(5, 1)$  and  $C(9, 5)$ .

$D$  is the midpoint of  $AB$  and  $E$  is the midpoint of  $AC$ .

a) Graph and label the points  $A$ ,  $B$ , and  $C$ . Find the coordinates of points  $D$  and  $E$ . Show all work.

$D =$

$E =$

b) Plot points  $D$  and point  $E$  on the graph and label.

c) Find the **length of  $DE$** . Show all work.

