**HW: Midsegment of Triangles and Trapezoids Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Find the value of $\overbar{XY}$.

1. 2.



Solve for $x$ and then find the lengths of BOTH **bases** AND the **midsegment.**



3. 4.

Find the value of $x$ and then find the length of that side.



5. 6.

**Use the picture to the right to answer problems 7-10.

**7.** If *m*∠*A* = 60, find *m*∠*BDE.*

8. If *m*∠*BED* = 83, find *m*∠*C.*

9.If *DE* = 13, find *AC.*

10. If *AC* = 73, find *DE.*