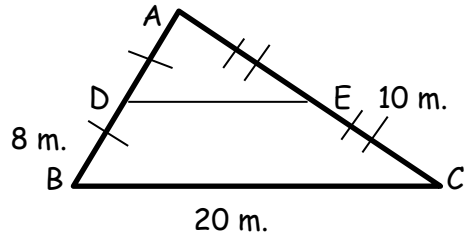


Midpoints and Midsegments

Check for understanding:

1. Use the midpoint formula to find the midpoint of the segments with endpoints:
  - a. (9,3) and (5,7)
  - b. (-2,5) and (4,13)
  - c. (8,-34) and (-24,10)

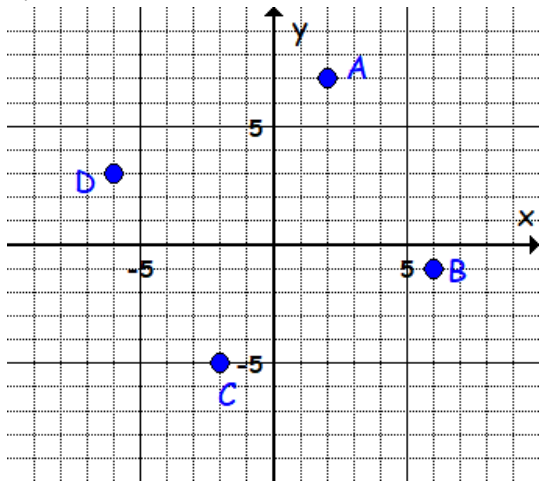
2. What is the perimeter of  $\triangle ABC$ ?



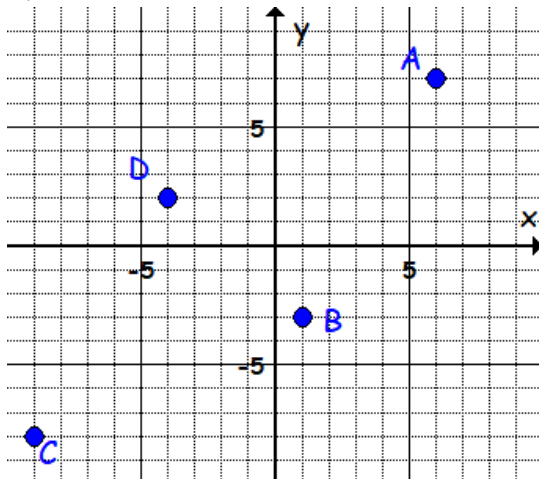
Practice: C-Level

3. Determine if the graph is a parallelogram. If so, determine which type of parallelogram. FULLY EXPLAIN YOUR ANSWER.

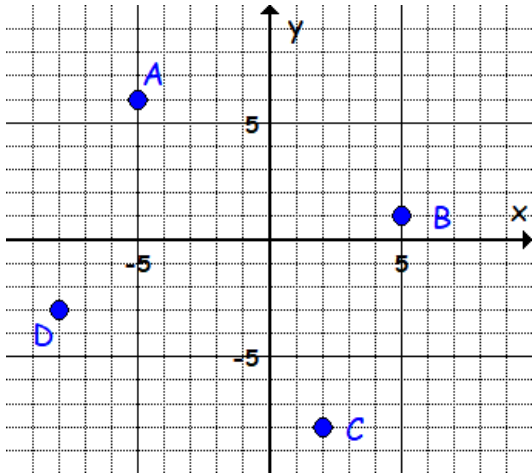
a.



b.

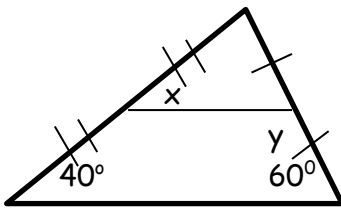


c.

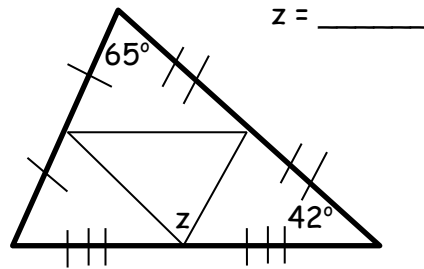


Find the missing values:

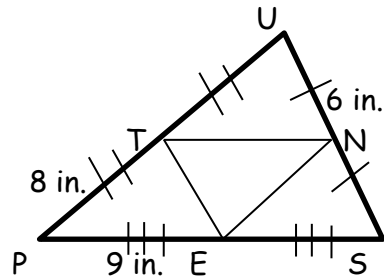
4.  $x = \underline{\hspace{1cm}}$   $y = \underline{\hspace{1cm}}$



5.



6. What is the perimeter of  $\triangle TEN$ ?  $\underline{\hspace{2cm}}$



7. One endpoint of a segment is  $(12, -8)$ . The midpoint is  $(3, 18)$ . Find the coordinates of the other endpoint.