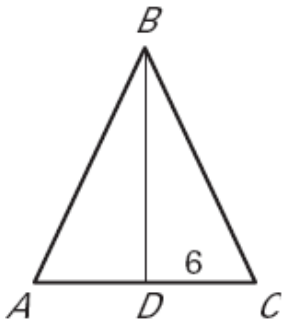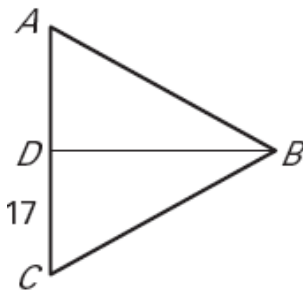**Name** _____ **Date** _____

Assignment 44 LESSON 5.4 Show work when needed for full credit.

$\overline{BD}$ **is a median of** $\triangle ABC$**. Find the length of** $\overline{AD}$**.**
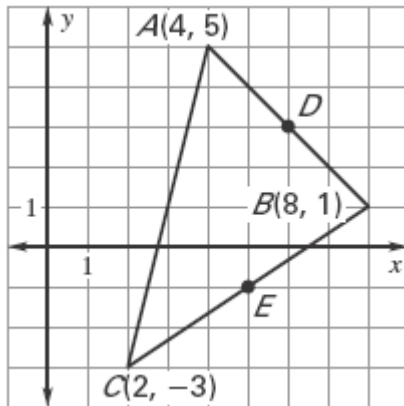
1.

2.

Use the graph shown.
3. Find the coordinates of D, the midpoint of $\overline{AB}$.
4. Find the length of the median $\overline{CD}$.
5. Find the coordinates of E, the midpoint of $\overline{BC}$.
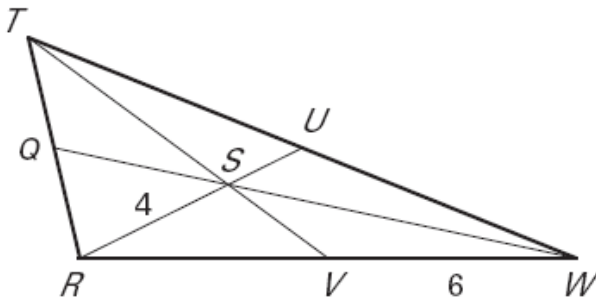6. Find the length of the median $\overline{AE}$.

Copy and complete the statement for $\triangle MNP$ **with medians** $\overline{MT}, \overline{NR}$, **and** $\overline{PS}$ **and centroid** $Q.$

   7. $QR = \_\_?\_\_ NR$
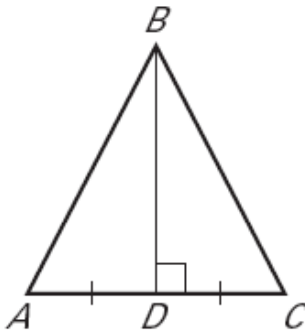
   8. $MQ = \_\_?\_\_ MT$

S is the centroid of $\triangle RTW$, $RS = 4$, $VW = 12$, **and** $TV= 9$. **Find the length of the segment.**

   9. $\overline{RV}$

  10. $\overline{SU}$

  11. $\overline{RU}$

  12. $\overline{RW}$

  13. $\overline{TS}$

  14. $\overline{SV}$

Is $\overline{BD}$ **a** *median* **of** $\triangle ABC$? **Is** $\overline{BD}$ **an** *altitude*? **a** *perpendicular bisector*?

  15.

  16.