NAME _____ DATE _____

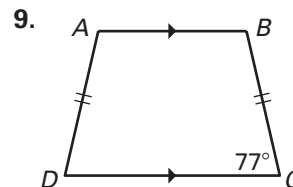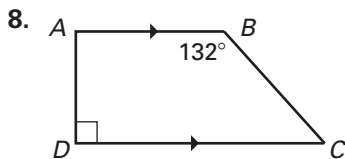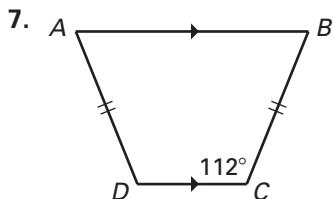## *Practice B*

For use with pages 356–363

Draw a trapezoid *JKLM* with $\overline{JK} \parallel \overline{LM}$. Match the pair of segments or angles with the term that describes them in trapezoid *JKLM*.

1. $\overline{JK}$ and $\overline{ML}$ **2.** $\overline{MJ}$ and $\overline{KL}$ **3.** $\overline{ML}$ and $\overline{KL}$

4. $\angle K$ and $\angle M$ **5.** $\overline{JL}$ and $\overline{KM}$ **6.** $\angle M$ and $\angle L$

A. bases angles   **B.** consecutive sides   **C.** opposite angles

D. diagonals   **E.** bases   **F.** legs

Find the angle measures of *ABCD*.

7.

8.

9.

The midsegment of the trapezoid is $\overline{RT}$. Find the value of *x*.

10.

11.

12.
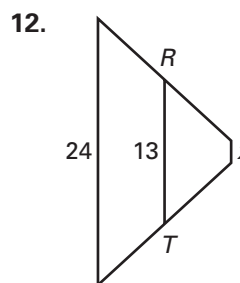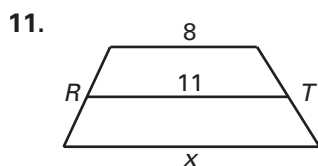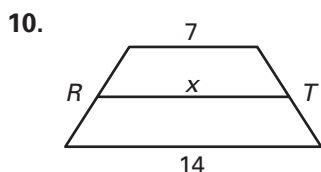
Find the length of the sides to the nearest hundredth or the measure of the angles in kite *MATH*.

13.

14.

15.
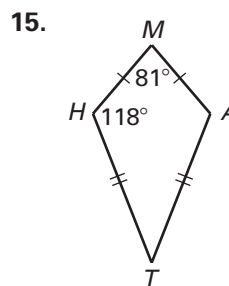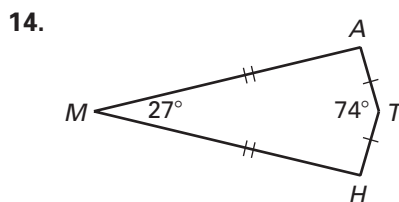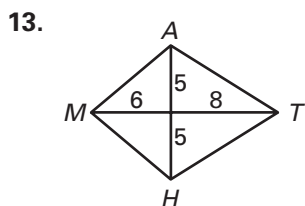
Write a two-column or a paragraph proof.

16. Given: $\overline{DE} \parallel \overline{AV}$,

$\triangle DAV \cong \triangle EVA$

Prove: *DAVE* is an isosceles trapezoid.
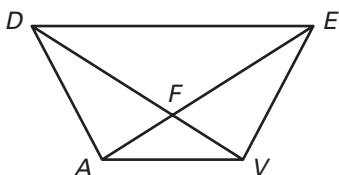
17 Given: $\overline{WV}$ is a midsegment of $\triangle XYZ$.

$\overline{XZ} \cong \overline{YZ}$

Prove: *XWVY* is an isosceles trapezoid.