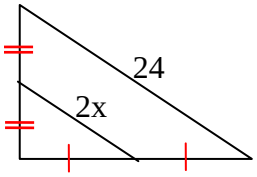
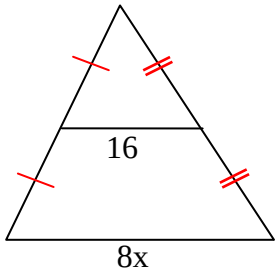
Chapter 5 Quiz Name _____

Find the value of *X*.

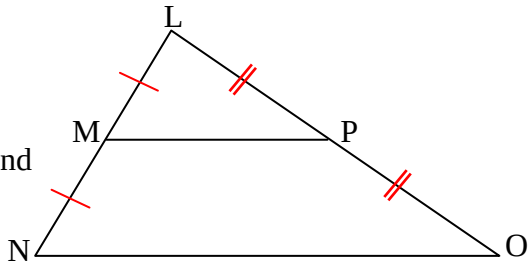
1)



2)



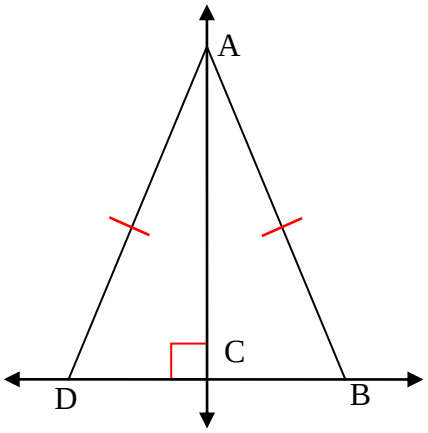
Use the figure at the right for problem 3.



3. a) $\overline{MP}$ is the midsegment of ΔLNO. $NO = 36$. Find MP.

b) Given the information from 3.a), $LO = 30$, and $MN = 9$, find the perimeter of ΔLMP.

Use the figure at the right for problems 4-5.



4) What can $\overleftrightarrow{AC}$ be called?

5) What can you conclude about $\angle ADC$ *and* $\angle ABC$?

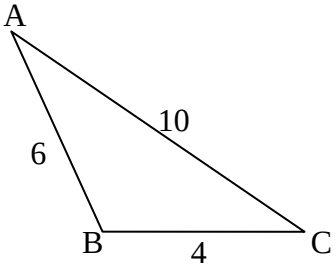
Can a triangle have sides with the given lengths? Explain.

6) 4 *m*, 8 *m*, 6 *m*

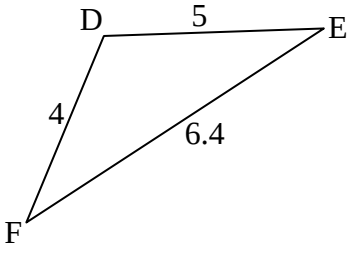
7) 2.6 *ft*, 4.1 *ft*, 6.7 *ft*

List the angles of each triangle in order from largest to smallest.

8)



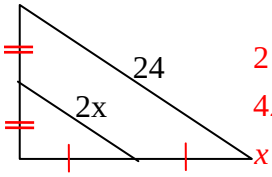
9)



Chapter 5 Quiz Name _____

Find the value of *X*.

1)

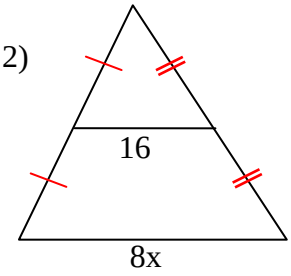


$2*2x=24$

$4x=24$

$x=6$

2)

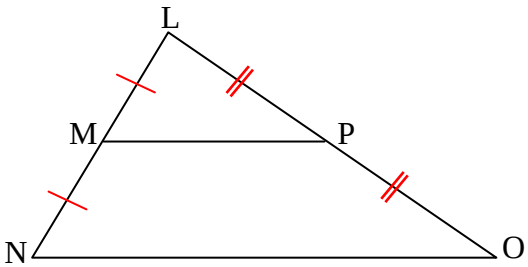


$2*16=8x$

$32=8x$

$x=4$

Use the figure at the right for problem 3.



3. a) $\overline{MP}$ is the midsegment of ΔLNO. NO = 36. Find MP.

$2*MP=NO=36$

$MP=18$

b) Given the information from 3.a), LO = 30, and MN = 9, find the perimeter of ΔLMP.

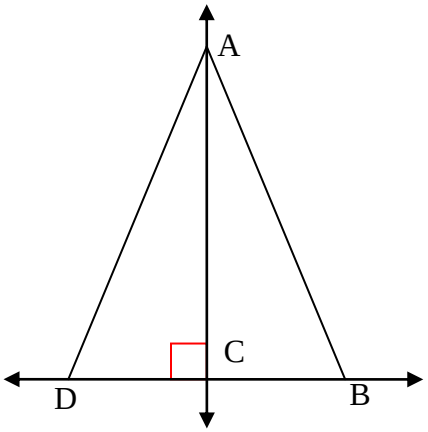
$LO=30;\ LP=\frac{1}{2}LO=15$

$LM=MN;\ LM=9$

$MP=18\,(prior\ prob)$

$perim=15+9+18=42$

Use the figure at the right for problems 4-5.



4) What can $\overleftrightarrow{AC}$ be called? ***Altitude***

5) What can you conclude about $\angle ADC$ *and* $\angle ABC$?

nothing, not enough information

Can a triangle have sides with the given lengths? Explain.

6) 4 *m*, 8 *m*, 6 *m* $4+8>6$ *YES*

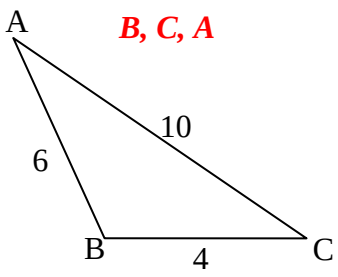
$6+4>8$

$8+6>4$

7) 2.6 *ft*, 4.1 *ft*, 6.7 *ft* $2.6+4.1=6.7$ *NO*

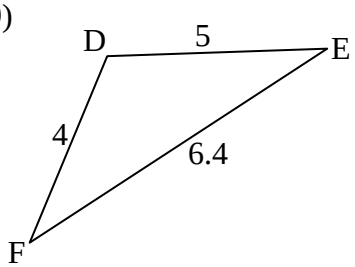
List the angles of each triangle in order from largest to smallest.

8)



B, C, A

9)



D, F, E