Unit 6 Lesson 6 HW   Name: _____
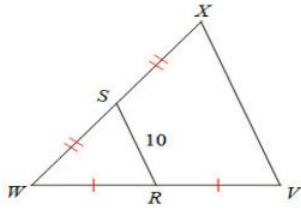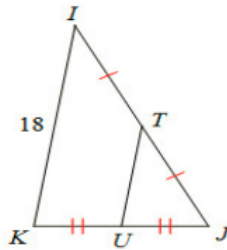
Set up an equation that will allow you to find the missing information. Then solve your equation. Show all work.
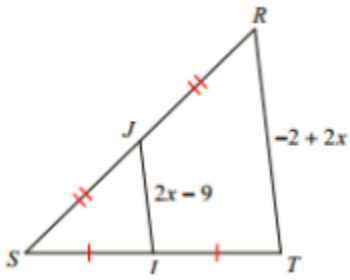
1. Find VX
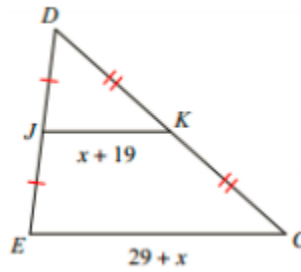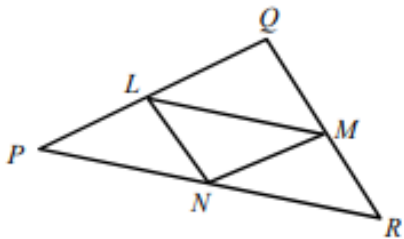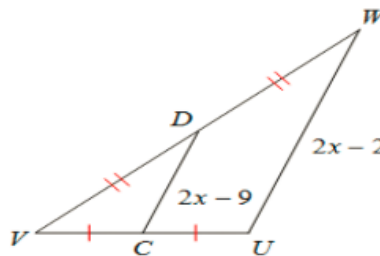

2. Find TU

3. Solve for x:

4. Solve for x:

5. If L, M, and N are the midpoint of the sides of ΔPQR and $PR = 46, PQ = 40$, and $LN = 17$, find each measure:
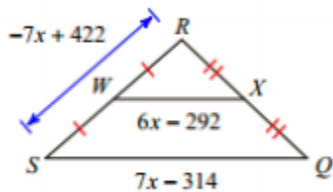

a) $LM =$ _____

b) $MN =$ _____
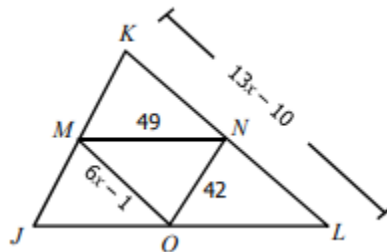
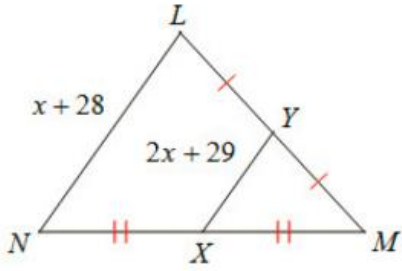**c)** $QR =$ _____
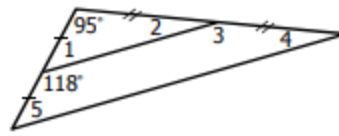
d) $MR =$ _____

6. Find UW:

7. Find SQ:

8. If $\overline{MN}, \overline{NO},$ and $\overline{MO}$ are midsegments, find the perimeter of ΔJKL.
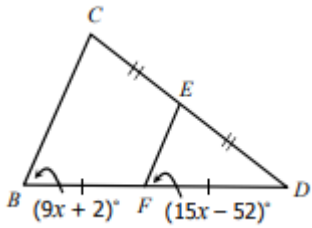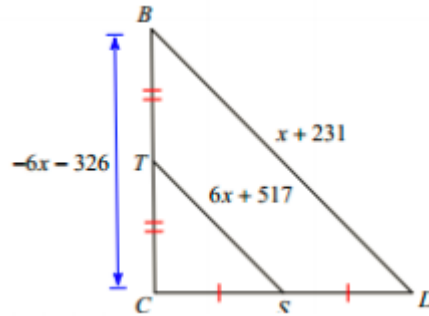
9. Find XY

10. Find the measure of each missing angle:

$m\angle 1 =$ _____
$m\angle 2 =$ _____
$m\angle 3 =$ _____
$m\angle 4 =$ _____
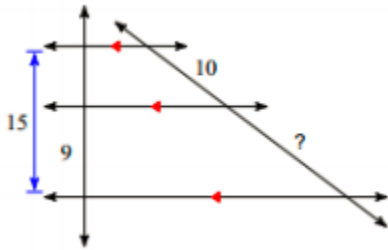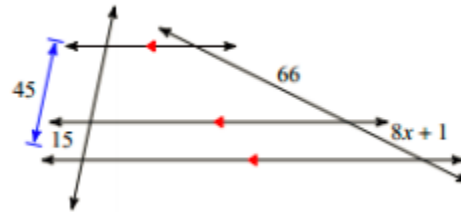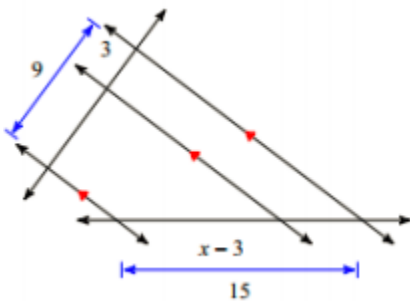$m\angle 5 =$ _____

11. Find $m\angle CBF$

12. Find ST

13. Find ?

14. Find x

15. Find x

16. Find x