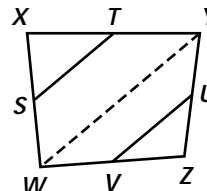


# Practice 4-4

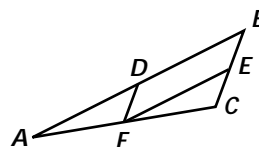
## Example Exercises

### Example 1

1. In quadrilateral  $WXYZ$ , the points  $S$ ,  $T$ ,  $U$ , and  $V$  are midpoints and  $WY = 26$  cm. Find  $ST$  and  $VU$ .

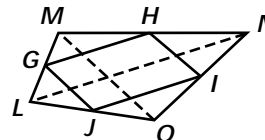


2. In  $\triangle ABC$ , the points  $D$ ,  $E$ , and  $F$  are midpoints.  $AB = 12$  cm and  $BC = 4$  cm. Find  $FE$  and  $FD$ .



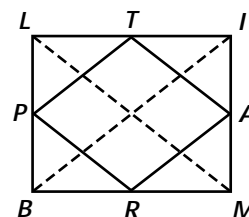
3. In quadrilateral  $LMNO$ , the points  $G$ ,  $H$ ,  $I$ , and  $J$  are midpoints.  $LN = 28$  cm and  $MO = 16$  cm.

- a. Find  $GH$  and  $JI$ .    b. Find  $GJ$  and  $HI$ .



4. In quadrilateral  $LIMB$ , the points  $P$ ,  $T$ ,  $A$ , and  $R$  are midpoints.  $LM = BI = 38$  cm.

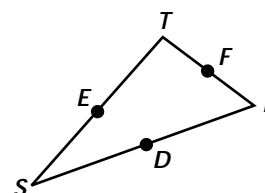
- a. Find  $PT$  and  $RA$ .    b. Find  $PR$  and  $TA$ .



### Example 2

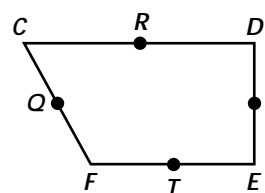
5. In  $\triangle STR$ , the points  $E$ ,  $F$ , and  $D$  are midpoints.  $EF = 11$  cm,  $DF = 9$  cm, and  $ED = 5.5$  cm.

- a. Find  $SR$ .    b. Find  $ST$ .    c. Find  $TR$ .



6. In quadrilateral  $CDEF$ , the points  $Q$ ,  $R$ ,  $S$ , and  $T$  are midpoints.  $QR = 19$  cm and  $RS = 24$  cm.

- a. Find  $FD$ .    b. Find  $CE$ .



7. In quadrilateral  $GHIJ$ , the points  $K$ ,  $L$ ,  $M$ , and  $N$  are midpoints.  $NM = 15$  cm and  $KN = 14$  cm.

- a. Find  $GI$ .    b. Find  $HJ$ .

