

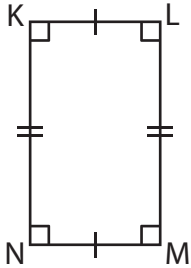
Name : \_\_\_\_\_

## Area – Quadrilateral

L3T2S1

Find the area of each quadrilateral.

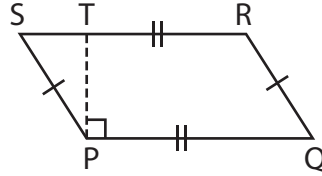
1)



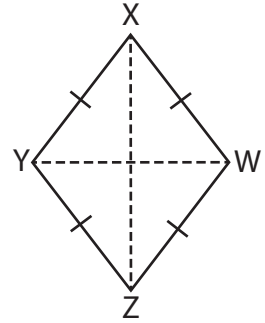
$KL = 7 \text{ yd}$  ;  $LM = 12 \text{ yd}$

Area =

2)



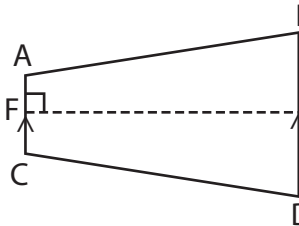
3)



$XZ = 12 \text{ in}$  ;  $YW = 6 \text{ in}$

Area =

4)



$AC = 5 \text{ in}$  ;  $BD = 9 \text{ in}$  ;  
 $FE = 15 \text{ in}$

Area =

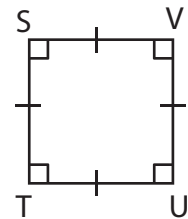
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$ST = 10 \text{ ft}$

Area =

7) If the lengths of the diagonals are 12 cm and 16 cm, find the area of the kite.

Area =

8) The parallel bases of a trapezoid measure 16 yards and 12 yards. If the perpendicular distance between the bases is 11 yards, find the area of the trapezoid.

Name : \_\_\_\_\_

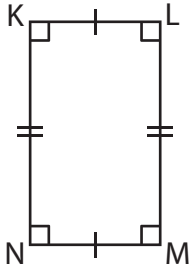
## Answer key

### Area – Quadrilateral

L3T2S1

Find the area of each quadrilateral.

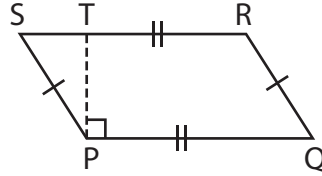
1)



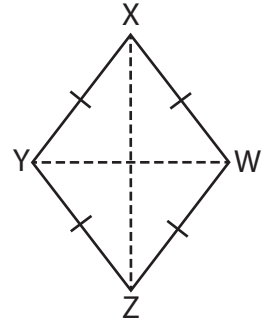
$KL = 7 \text{ yd}$  ;  $LM = 12 \text{ yd}$

Area =  **$84 \text{ yd}^2$**

2)



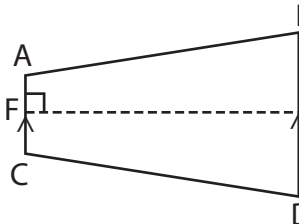
3)



$XZ = 12 \text{ in}$  ;  $YW = 6 \text{ in}$

Area =  **$36 \text{ in}^2$**

4)



$AC = 5 \text{ in}$  ;  $BD = 9 \text{ in}$  ;  
 $FE = 15 \text{ in}$

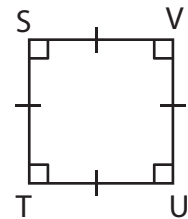
Area =  **$105 \text{ in}^2$**

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$ST = 10 \text{ ft}$

Area =  **$100 \text{ ft}^2$**

7) If the lengths of the diagonals are 30 feet and 25 feet, find the area of the kite.

Area =  **$375 \text{ square feet}$**

**285 square feet**

8) The parallel bases of a trapezoid measure 16 yards and 12 yards. If the perpendicular distance between the bases is 11 yards, find the area of the trapezoid.

**154 square yards**