

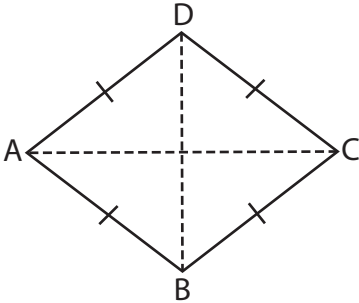
Name : \_\_\_\_\_

## Area – Quadrilateral

L3S1

Find the area of each quadrilateral.

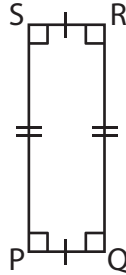
1)



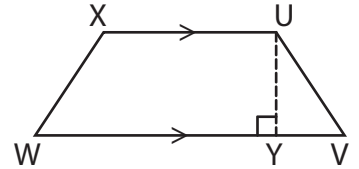
$$BD = 5\frac{5}{8} \text{ ft}; AC = 6\frac{8}{9} \text{ ft}$$

Area =

2)



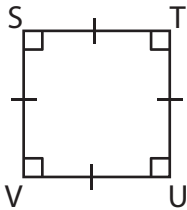
3)



$$WV = 6 \text{ yd}; XU = 5\frac{9}{10} \text{ yd};$$
$$UY = 4\frac{2}{7} \text{ yd}$$

Area =

4)



$$SV = \frac{3}{5} \text{ in}$$

Area =

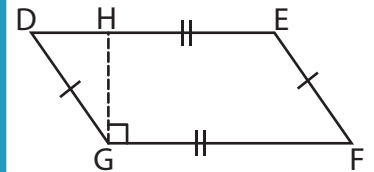
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$$GH = \frac{7}{11} \text{ yd}; DE = \frac{3}{4} \text{ yd}$$

Area =

7) What is the area of the

heet?

8) If the diagonals of a kite measure  $\frac{12}{17}$  inch and  $1\frac{3}{5}$  inches, determine the area of the kite.

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

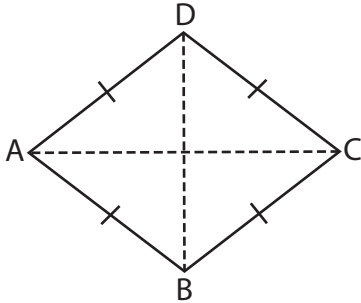
### Answer key

## Area – Quadrilateral

L3S1

Find the area of each quadrilateral.

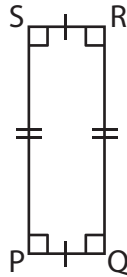
1)



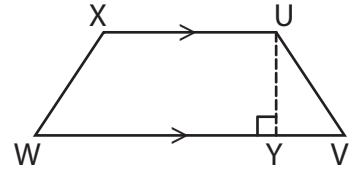
$$BD = 5\frac{5}{8} \text{ ft}; AC = 6\frac{8}{9} \text{ ft}$$

$$\text{Area} = \frac{155}{8} \text{ or } 19\frac{3}{8} \text{ ft}^2$$

2)



3)

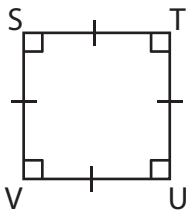


$$WV = 6 \text{ yd}; XU = 5\frac{9}{10} \text{ yd};$$

$$UY = 4\frac{2}{7} \text{ yd}$$

$$\text{Area} = \frac{51}{2} \text{ or } 25\frac{1}{2} \text{ yd}^2$$

4)



$$SV = \frac{3}{5} \text{ in}$$

$$\text{Area} = \frac{9}{25} \text{ in}^2$$

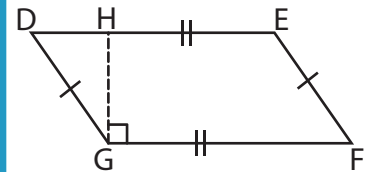
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$$GH = \frac{7}{11} \text{ yd}; DE = \frac{3}{4} \text{ yd}$$

$$\text{Area} = \frac{21}{44} \text{ yd}^2$$

7) What is the area of the

heet?

$$\frac{102}{7} \text{ or } 14\frac{4}{7} \text{ square feet}$$

8) If the diagonals of a kite measure  $\frac{12}{17}$  inch and  $1\frac{3}{5}$  inches, determine the area of the kite.

$$\frac{48}{85} \text{ square inch}$$