

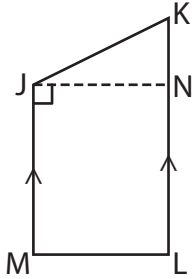
Name : _____

Area – Quadrilateral

L3S3

Find the area of each quadrilateral.

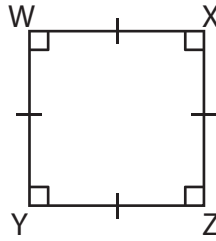
1)



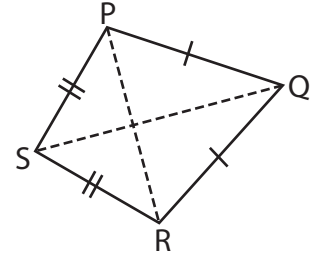
$KL = 11 \text{ yd}$; $JM = 9\frac{4}{7} \text{ yd}$;
 $JN = 6\frac{1}{2} \text{ yd}$

Area =

2)



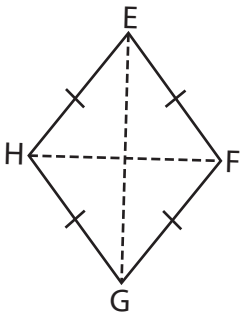
3)



$SQ = 8\frac{2}{3} \text{ in}$; $PR = 2\frac{2}{9} \text{ in}$

Area =

4)



$EG = 15 \text{ ft}$; $HF = 7\frac{2}{5} \text{ ft}$

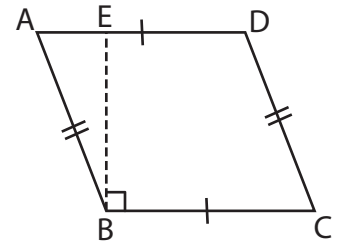
Area =

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$AD = 11\frac{5}{8} \text{ in}$; $BE = 5\frac{1}{3} \text{ in}$

Area =

7) The parallel bases of a trapezoid are 10 inches and 6 inches. The perpendicular distance between the bases is $4\frac{2}{7}$ inches.

Area = _____

8) If the lengths of the diagonals of a rhombus are $\frac{10}{17}$ yard and $2\frac{4}{5}$ yards, determine the area of the rhombus.

Name : _____

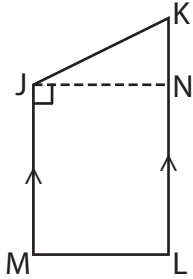
Answer key

Area – Quadrilateral

L3S3

Find the area of each quadrilateral.

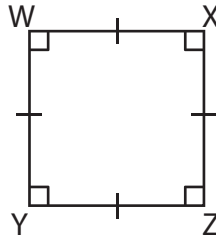
1)



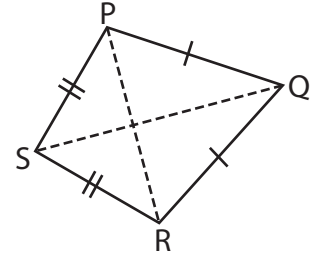
$KL = 11 \text{ yd}$; $JM = 9\frac{4}{7} \text{ yd}$;
 $JN = 6\frac{1}{2} \text{ yd}$

Area = $\frac{468}{7}$ or $66\frac{6}{7} \text{ yd}^2$

2)



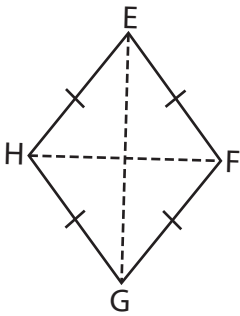
3)



$SQ = 8\frac{2}{3} \text{ in}$; $PR = 2\frac{2}{9} \text{ in}$

Area = $\frac{260}{27}$ or $9\frac{17}{27} \text{ in}^2$

4)



$EG = 15 \text{ ft}$; $HF = 7\frac{2}{5} \text{ ft}$

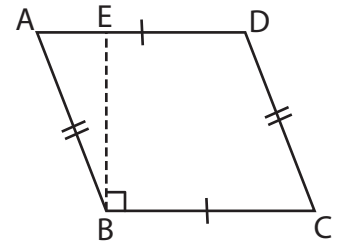
Area = $\frac{111}{2}$ or $55\frac{1}{2} \text{ ft}^2$

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$AD = 11\frac{5}{8} \text{ in}$; $BE = 5\frac{1}{3} \text{ in}$

Area = 62 in^2

7) The parallel bases of a trapezoid are 10 inches and 14 inches. The perpendicular distance between the bases is $4\frac{2}{7}$ inches.

$\frac{27}{2}$ or $13\frac{1}{2}$ square inches

8) If the lengths of the diagonals of a rhombus are $\frac{10}{17}$ yard and $2\frac{4}{5}$ yards, determine the area of the rhombus.

$\frac{14}{17}$ square yard