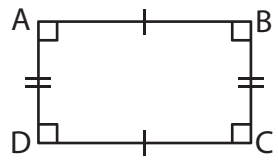
Name : _____

Area – Mixed Shapes

L3S3

Find the area of each shape. $\left(\text{Use } \pi = \frac{22}{7}\right)$

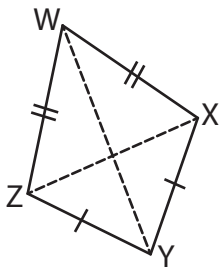
1)



$AD = \frac{8}{3}$ in ; $CD = \frac{27}{4}$ in

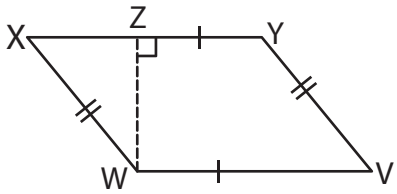
Area =

2)



$XZ = \frac{5}{}$ yd ; $YW = \frac{5}{}$ yd

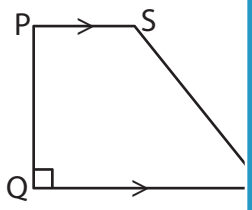
3)



$XY = 6\frac{1}{4}$ ft ; $WZ = 4\frac{2}{5}$ ft

Area =

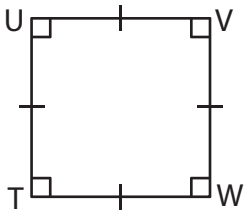
4)



$PS = 3\frac{1}{2}$ yd ; QR = 6

PQ = 6 yd

Area =



$UV = 1\frac{4}{5}$ in

Area =

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7) If the radius of a circle

_____

8) The base and height of a triangle are $2\frac{3}{4}$ feet and $5\frac{1}{2}$ feet respectively. Determine the area of the triangle.

_____

Name : _____

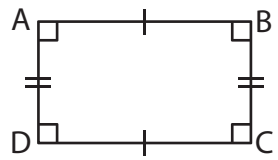
Answer key

Area – Mixed Shapes

L3S3

Find the area of each shape. $\left(\text{Use } \pi = \frac{22}{7}\right)$

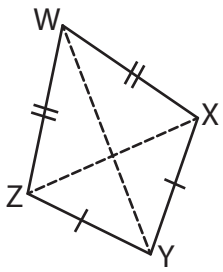
1)



$AD = \frac{8}{3}$ in ; $CD = \frac{27}{4}$ in

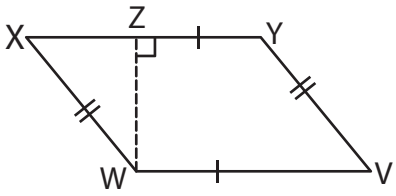
Area = **18 in²**

2)



$XZ = \frac{5}{}$ yd ; $YW = \frac{5}{}$ yd

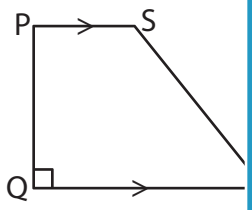
3)



$XY = 6\frac{1}{4}$ ft ; $WZ = 4\frac{2}{5}$ ft

Area = **$\frac{55}{2}$ or $27\frac{1}{2}$ ft²**

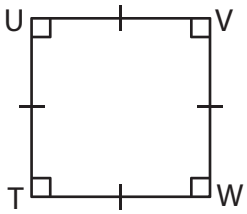
4)



$PS = 3\frac{1}{2}$ yd ; $QR = 6$

$PQ = 6$ yd

Area = **31 yd²**



$UV = 1\frac{4}{5}$ in

Area = **$\frac{81}{25}$ or $3\frac{6}{25}$ in²**

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7) If the radius of a circle

$\frac{77}{32}$ or $2\frac{13}{32}$ square yards

8) The base and height of a triangle are $2\frac{3}{4}$ feet and $5\frac{1}{2}$ feet respectively. Determine the area of the triangle.

$\frac{121}{16}$ or $7\frac{9}{16}$ square feet