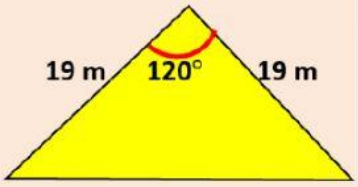
NAME _____ DATE_____

Area of Triangles using Trig. (sine) Activity

$Area = ½\ absin\ C$



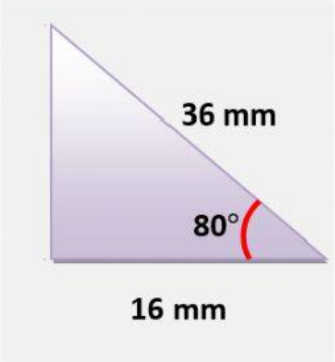
$Area = ½ \times 19 \times 19 \times sin\ 120°$

$Area = 0.5 \times 361 \times 0.866$

$= \mathbf{156.313\ m^2}$

Calculate the area of the triangles using $\boldsymbol{A = ½\ absinC}$ *given to 2 decimal places.*

1.



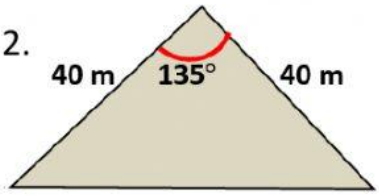
$Area = ½\ absin\ C$

$Area = \frac{1}{2} \times$ ___ $\times$ ____ $\times\ sin$ ___°

$Area = \frac{1}{2} \times$ _____ $\times$ _____

$=$ _____ mm^2

2.



$Area = ½\ absin\ C$

$Area = 0.5 \times$ ____ $\times$ ____ $\times\ sin$ ___°

$Area = \frac{1}{2} \times$ _____ $\times$ _____

$=$ _____ m^2

LIVEWORKSHEETS