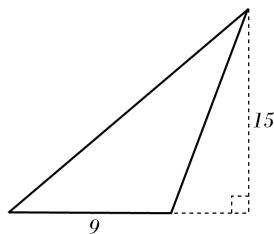


## Angle and Area of Triangles

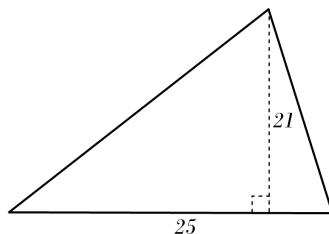


Find the area of each.

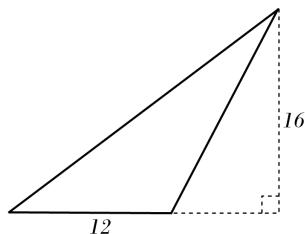
1) What is the area of the triangle?



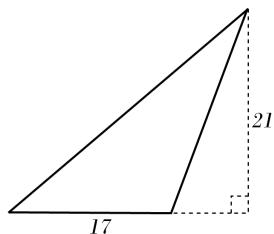
2) What is the area of the triangle?



3) What is the area of the triangle?

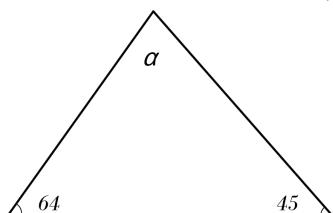


4) What is the area of the triangle?

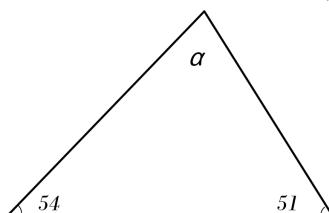


Find the measure of the unknown angle in each triangle.

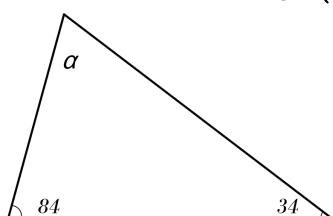
1) What is the unknown angle ( $\alpha$ )?



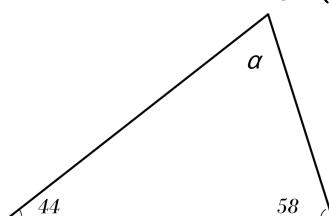
2) What is the unknown angle ( $\alpha$ )?



3) What is the unknown angle ( $\alpha$ )?



4) What is the unknown angle ( $\alpha$ )?

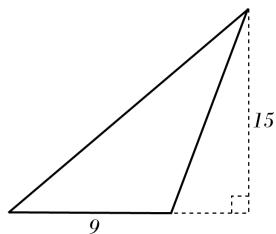


## Answers of Angle and Area of Triangles

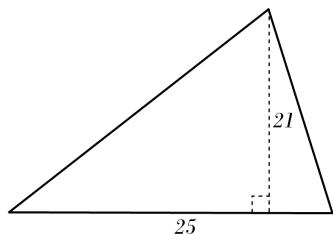


Find the area of each.

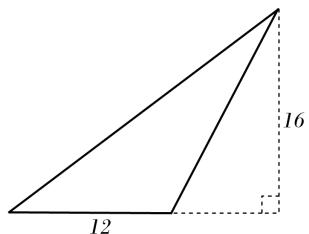
1)  $x = 67.5 \text{ m}^2$



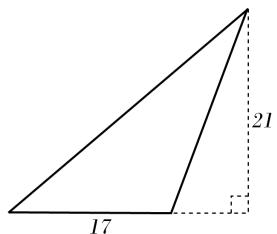
2)  $x = 262.5 \text{ m}^2$



3)  $x = 96 \text{ m}^2$

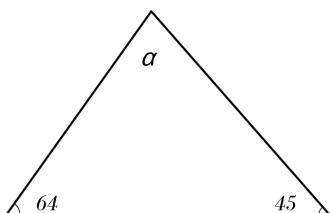


4)  $x = 178.5 \text{ m}^2$

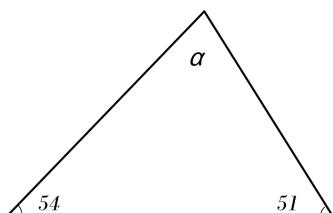


Find the measure of the unknown angle in each triangle.

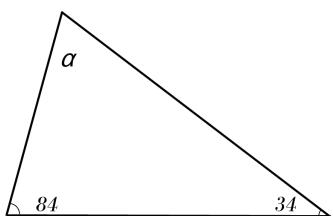
1)  $\alpha = 71$



2)  $\alpha = 75$



3)  $\alpha = 62$



4)  $\alpha = 78$

