

## Angle and Area of Triangles

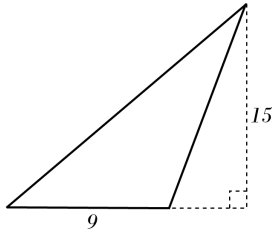


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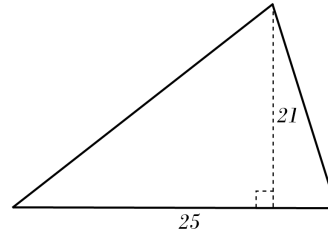


Find the area of each.

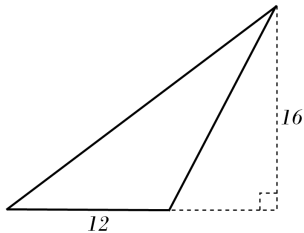
- 1) What is the area of the triangle?



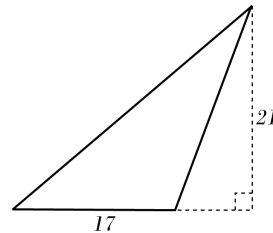
- 2) What is the area of the triangle?



- 3) What is the area of the triangle?

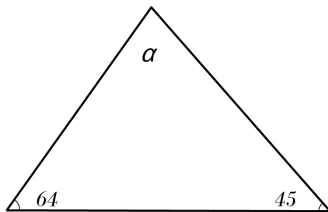


- 4) What is the area of the triangle?

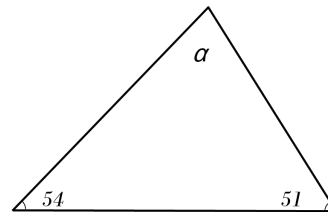


Find the measure of the unknown angle in each triangle.

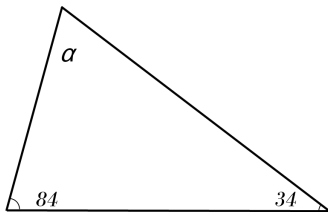
- 1) What is the unknown angle ( $\alpha$ )?



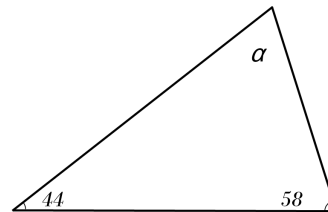
- 2) What is the unknown angle ( $\alpha$ )?



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



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

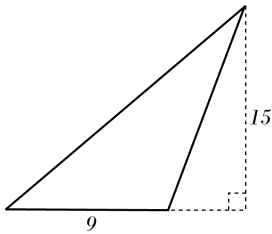


## Answers of Angle and Area of Triangles

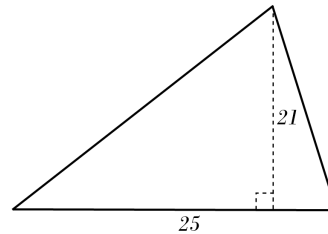


Find the area of each.

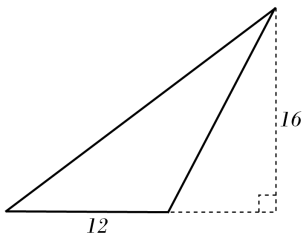
1)  $x = 67.5 \text{ m}^2$



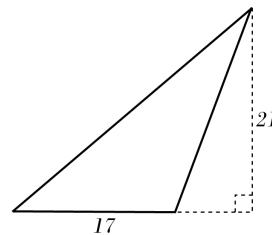
2)  $x = 262.5 \text{ m}^2$



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

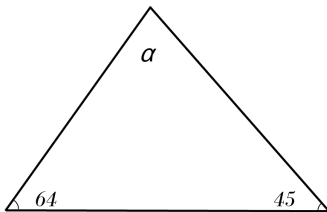


4)  $x = 178.5 \text{ m}^2$

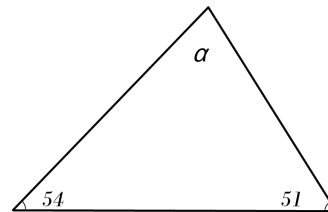


Find the measure of the unknown angle in each triangle.

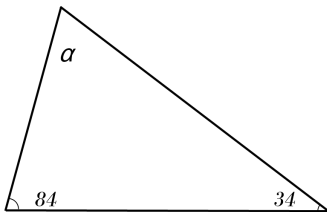
1)  $\alpha = 71$



2)  $\alpha = 75$



3)  $\alpha = 62$



4)  $\alpha = 78$

