

# mobius

# **Trigonometry - Calculating Angles from Ratios (Words)**



1 Calculate the a	ingle in degrees
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Calculate the angle in degrees

## lpha has a sin of 0.485 lpha has a sin of 0.242

2

3 Calculate the angle in degrees

4 Calculate the angle in degrees

#### lpha has a tan of 1.664 lpha has a sin of 0.999

**5** Calculate the angle in degrees

6 Calculate the angle in degrees

# lpha has a tan of 0.727 lpha has a sin of 0.777

A B C D E F A B C 
$$\alpha=51^\circ$$
  $\alpha=36^\circ$   $\alpha=46^\circ$   $\alpha=16^\circ$   $\alpha=56^\circ$   $\alpha=61^\circ$   $\alpha=66^\circ$   $\alpha=36^\circ$   $\alpha=56^\circ$   $\alpha=71^\circ$   $\alpha=51^\circ$ 

8

7 Calculate the angle in degrees

Calculate the angle in degrees

## lpha has a cos of 0.087 lpha has a tan of 0.51

$$\begin{vmatrix} \mathsf{A} & \mathsf{B} & \mathsf{C} & \mathsf{D} & \mathsf{E} & \mathsf{F} \\ \alpha = 95^{\circ} \alpha = 90^{\circ} \alpha = 85^{\circ} \alpha = 70^{\circ} \alpha = 65^{\circ} \alpha = 80^{\circ} \alpha = 22^{\circ} \alpha = 37^{\circ} \alpha = 27^{\circ} \alpha = 12^{\circ} \alpha = 32^{\circ} \alpha = 47^{\circ}$$