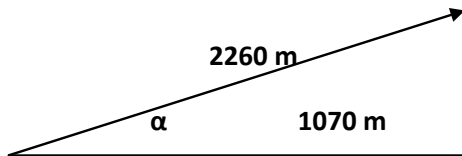**Question#10334**

If an airplane travels a path length of 2260 m while traveling a horizontal distance of 1070 m, what is its angle of climb?

Solution:

From triangle:

$$sin\alpha = \frac{1070}{2260}$$

$$sin\alpha = 0.47$$

$$\alpha = 28°$$

Answer: 28°