

Blake Q's #3

May 20, 2020

Just some trigonometry questions.

Question 1

I messed up the rocket again. I have no clue how high it has gone. All I know is that I launched it at an angle of 85 degrees and it has travelled 5000m along its hypotenuse. What is the rocket's height?

Question 2

Using the same rocket as in question 1, what is its displacement the in x-direction (horizontal length travelled)?

Question 3

Solve in terms of y

$$x = \frac{\sin(y + 20\theta)}{100} \quad (1)$$