

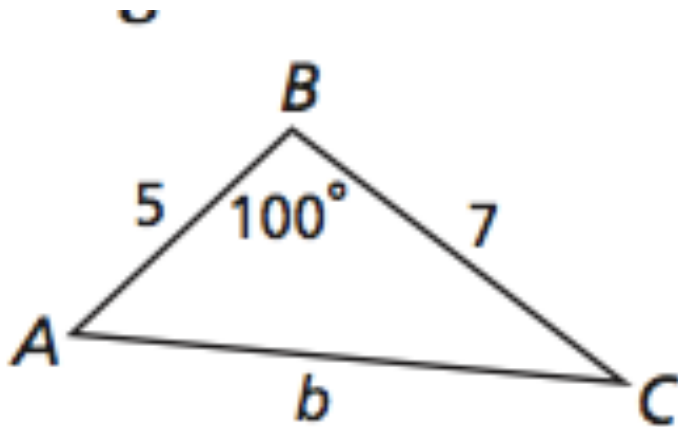
Application of Vectors

8.5

L 16

3.4.16

Use the given measurements to solve the triangle.
(Use law of cosine)



I try:

What is the magnitude and direction of the resultant vector of an 80 N force along the x axis and a 50 N force at an angle of 30° to one another?

Sketch the picture first!!	
Identify the given.	
Solve for the resultant vector	

We Try:

What is the magnitude and direction of the resultant vector of a 20 N force 130° from the x axis and a 30 N force at an angle of 70° from the x axis.?

Sketch the picture first!!	
Identify the given.	
Solve for the resultant vector	