Some Math Problems

#16: The Laws of Sine and Cosine − *Find the missing measures. Note that this is NOT a right triangle!*

1.   W

12 in.   26 in.

X

20 in.   Y

#17: Vectors − *Draw each vector, then find the sum of each pair of vectors and draw the resultant vector. Then find the magnitude and direction of the resultant vector.*

2. $\vec{u} = \langle 5, 3 \rangle$ and $\vec{v} = \langle -3, -11 \rangle$

$\vec{u} + \vec{v} =$

magnitude of $\vec{u} + \vec{v} =$

direction of $\vec{u} + \vec{v} =$

y

x