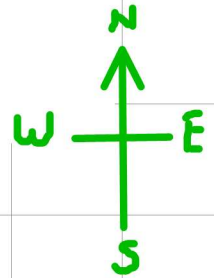
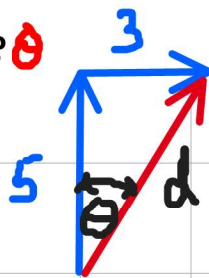


Warm up 13 DEC

Evan drives his skidoo 5 km north then 3 km east. Then he runs out of gas!

How far away from home is he? d

What direction (angle) is he from home? θ



Mike is swimming across a river.

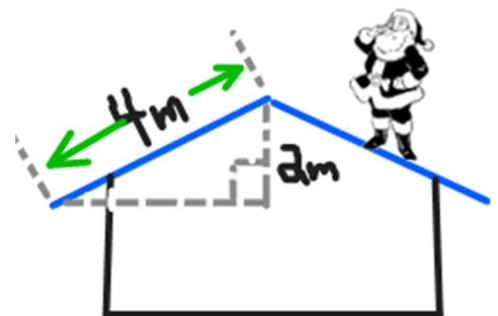
He swims at a speed of 0.5 m / sec, the current is 1.5 m/sec from the right.

How fast is he moving?

What angle is he making from where he started?



Santa is walking on a roof shown below. What angle does the roof make with the horizontal ?



Complete the trigonometric table given below (use a calculator):

Angle	Trig ratio		
	sin	cos	tan
20°	0.3420		
30°			0.5774
45°		0.7071	
60°	0.8660		
89°			

Sketch
~~Draw~~ a triangle that has:

$$\sin = \frac{1}{2}$$

$$\tan = \frac{3}{4}$$