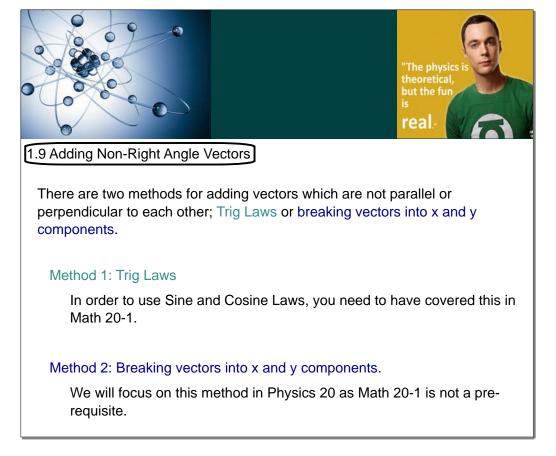
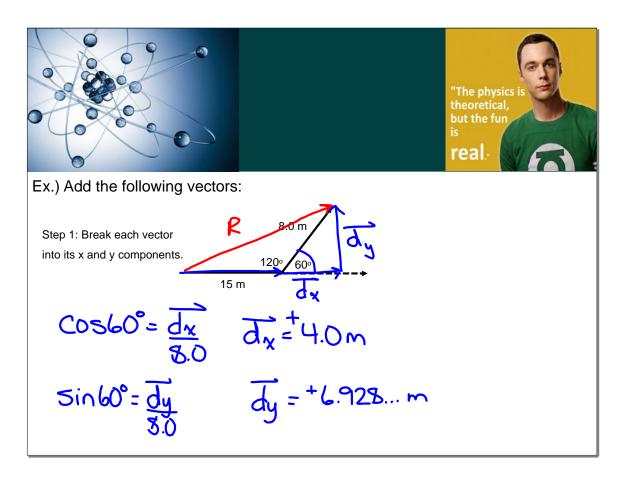
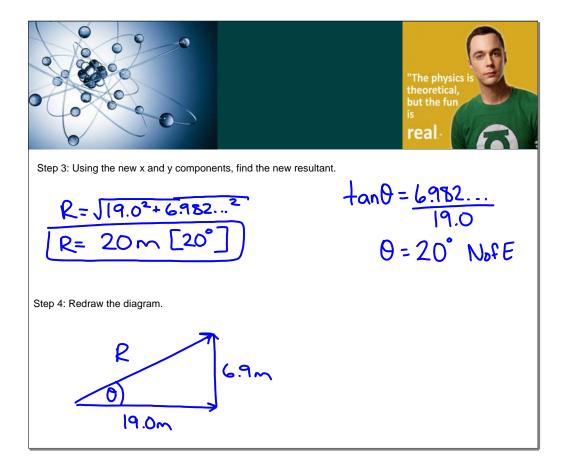
March 09, 2017

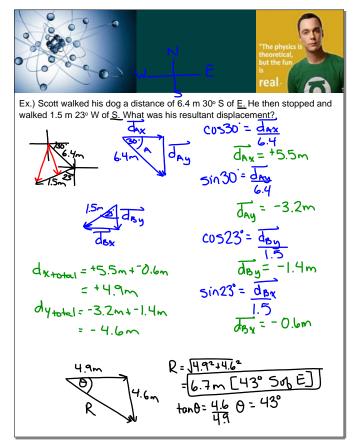




March 09, 2017

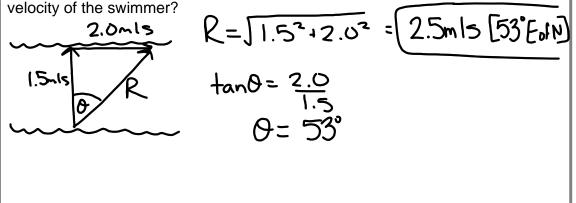
| | "The physics is theoretical, but the fun is real. |
|----------------------------------------------------------|---------------------------------------------------------------|
| Step 2: Add the vectors going in the x and y directions. | |
| $X_{total} = 15m + 4.0m = 19m$ | |
| $y_{\text{total}} = 6.9 \text{m}$ | |
| | |
| | |





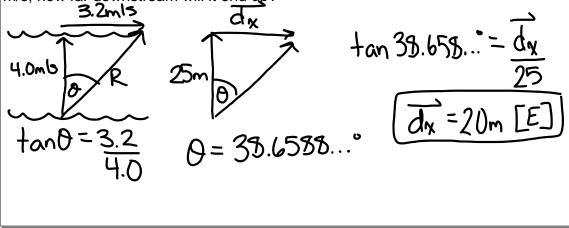


Ex.) A swimmer whose swimming velocity in still water is 1.50 m/s travels north across a river. The river current is flowing 2.0 m/s East. What is the resultant





Ex.) A canoe is paddling across a stream which is 25 m wide. The stream has a current of 3.2 m/s East. If the canoe paddles directly North with a velocity of 4.0 m/s, how far downstream will it end up?





Ex.) Heather wants to swim across a river to a point directly North across from her starting point.

a) If Heather can swim at 2.0 m/s and the river has a current of 1.5 m/s West, what direction must she start off at?

