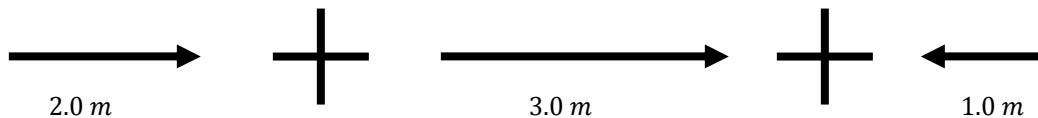


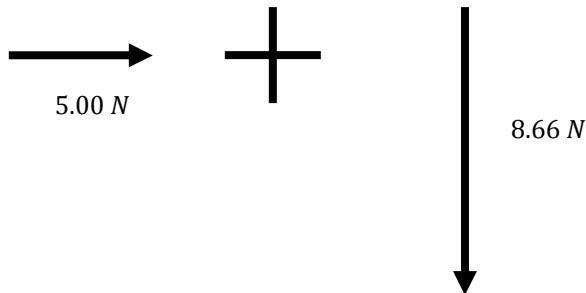
## Vector Addition

Add the following Vectors

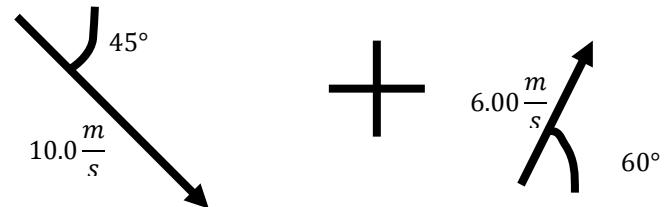
1.)



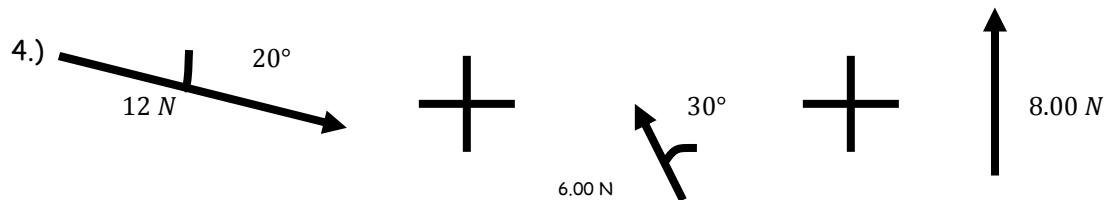
2.)



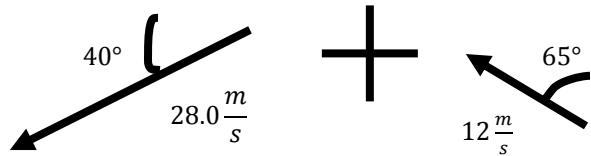
3.)



4.)



5.)



Answers -

1.)  $4.0 \text{ m [E]}$

2.)  $10.0 \text{ N at } 60^\circ \text{ S of E}$

3.)  $10.2 \frac{\text{m}}{\text{s}} \text{ at } 10.6^\circ \text{ S of E}$

4.)  $12.3 \text{ N at } 42.3^\circ \text{ E of N}$

5.)  $34.8 \frac{\text{m}}{\text{s}} \text{ at } 30^\circ \text{ S of W}$