**Right angle vector additions**

**I**

1. If a car traveling due north at 23.5 m/s collided with another traveling 55.9 m/s due east, what is the resultant?
2. If a person running 2.8 m/s at 180 degrees (straight left) collided with another going 10.67 m/s at 90 degrees, what is the resultant?