**Unit 4 Vector Additions**

**(V)**

1. **If a car traveling 160 m/s at 0 degrees collided with another car traveling 90 m/s at 90 degrees, what is the resultant?**
2. **If a person was running 13.5 m/s at 70 degrees ran into another person running 15.7 m/s at 180 degrees, what is the resultant?**
3. **If an air plane traveling 35 m/s at 45 degrees collided with another traveling 39 m/s at 150 degrees, what is the resultant?**
4. **If a car is traveling 3.6 m/s at 25 degrees, ran into another car traveling 4.0 m/s at 175 degrees, what is the resultant?**