**Right Triangle**

**Vector addition.**

**II**

**1.)If a car traveling 5 mi/hr East collided with another traveling 2 mi/hr North, what would the velocity of the car be after the collision?**

**2.) If a car traveling 550 mi/hr West collided with another traveling 850 mi/hr South, what would the velocity of the car be after the collision?**

**3.) If a car traveling 45.5 mi/hr West collided with another traveling 10.55 mi/hr South, what would the velocity of the car be after the collision?**

**4.) If a car traveling 195 mi/hr West collided with another traveling 135 mi/hr South, what would the velocity of the car be after the collision?**