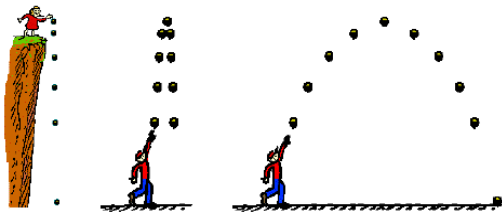


Projectiles

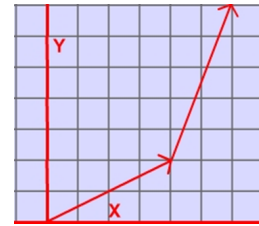
Types of Projectiles



Vectors Components

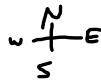
Objective:

Be able to solve for vector components.



Find the resultant:

70 mi/hr North (plane)
20 mi/hr West (wind)



$$a^2 + b^2 = c^2$$

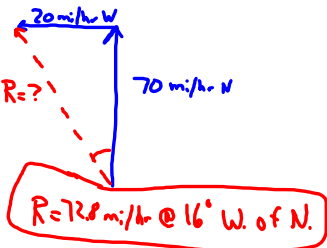
$$20^2 + 70^2 = c^2$$

$$c = 72.8 \text{ mi/hr}$$

$$\sin \theta = \frac{\text{opp}}{\text{hyp}}$$

$$\sin \theta = \frac{20}{72.8}$$

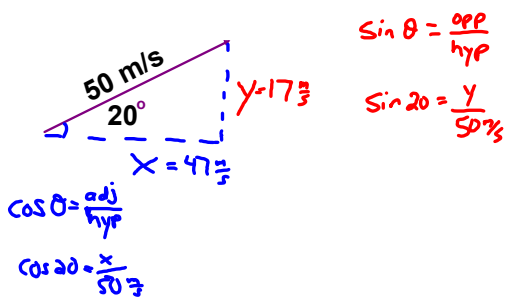
$$\theta = 16^\circ$$



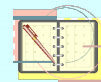
Vector Components



Vector Components



Assignments . . .



- Begin Chapter 2 #5 - 8

