

Physics Homework

Name \_\_\_\_\_

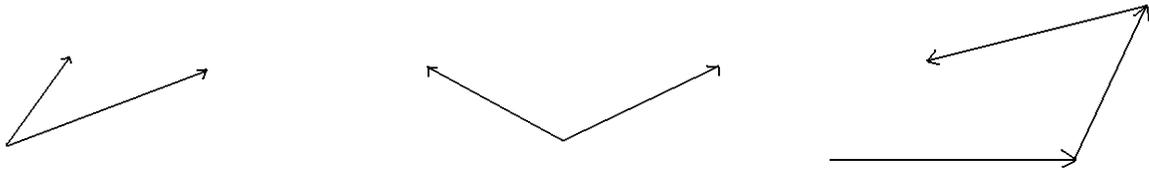
Date \_\_\_\_\_ Period \_\_\_\_\_



# Show PAWS



1) Graphically add the following vectors together.



2) Graphically add the two vectors. 2.4m/s north with 3.5m/s 30 degrees east of north.

3) Joe putts the golf ball 5.6 m west then 3.6m south. What putt result in the same displacement with a single putt. (mathematical solution)

4) A cannon ball is fired in a direction so that it moves 25m north and 47m west. Find the direction the cannon ball was fired.

5. A football kicker kicks the ball toward the goal post at an angle of 35 degrees and a velocity of 15m/s. How far will the ball travel horizontally before hitting the ground?