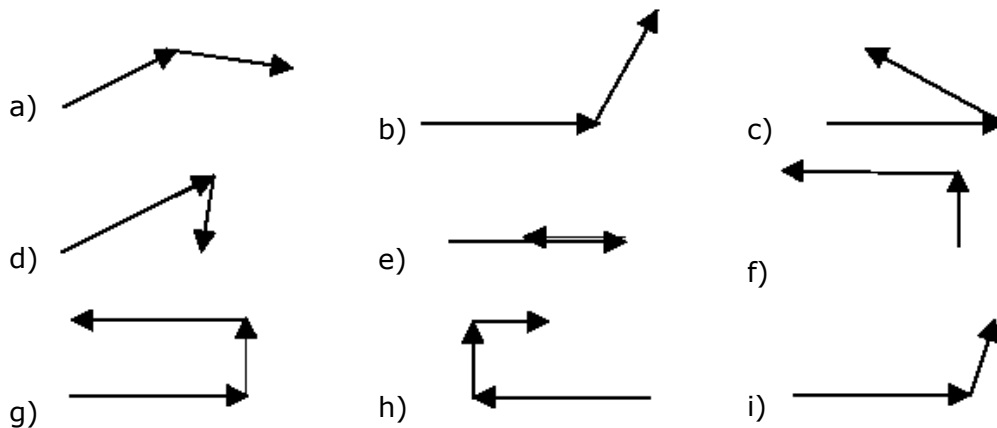


Name _____ # _____

Drawing Displacement Vectors HW

Directions: Draw the displacement vector arrows for each drawing



Directions: a) Sketch the motion described with vector arrows b) Draw the displacement vector arrow for each. c) Find the magnitude of the displacement

1. An ant moves 5 cm N then 2 cm east. (find magnitude of displacement only for this one; no direction)

2. An ant moves 2 cm N then 4 cm S. displacement = _____

3. An ant moves 2 cm N then 3 cm S. displacement = _____

4. An ant moves 3 cm S then 5 cm S. displacement = _____

5. An ant moves 3 cm up then 5 cm right then 3 cm down.
displacement = _____