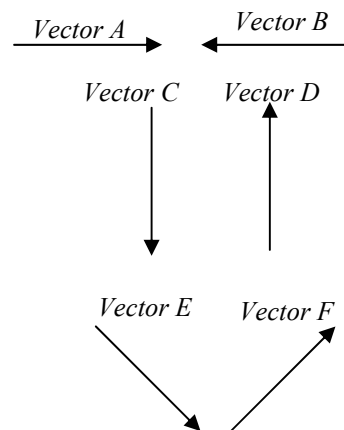
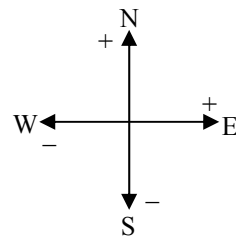
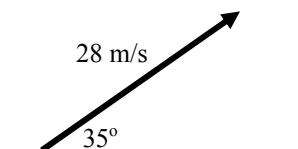


PreAP: due Wed, Sept 14 (Assigned: Mon, Sept 12)
Reg: due Thurs., Sept 15 (Assigned: Tues., Sept 13)

Vectors 2



- Using the vectors at the right add vector A and vector E graphically.
- Graphically find the resultant of $2B + C$.
- Graphically find the resultant of $D - A$.
- Resolve this vector into its components (remember units).



- A person walks 12 m south, 10 m east, 2 m north, 4 m west, and 4 m east.
 - Find the x component:
 - Find the y component:
 - Draw a large triangle with the components and find the resultant's magnitude and direction.
- A person walks 42 m west, 10 m south, 22 m east, 30 m north, 5 m west, and 4 m east.
 - Find the x component:
 - Find the y component:
 - Draw a large triangle with the components and find the resultant's magnitude and direction.
- A car drives 350 m at 60° north of east (up from the x-axis).
 - Draw the magnitude and direction of this vector.
 - If it takes the car 15 seconds to drive this distance find how fast they are driving east.

- Correct or confirm (true or false and why): "A piece of ice on your hand cools down your hand."
- Why is it warmer upstairs?