

Vector homework #2

Draw a point diagram, find the "happy angle" (angle between the components) and then draw the vector diagram to scale and find the resultant (that's magnitude and angle)

1. $F_1 = 60 \text{ N at } 315^\circ$
 $F_2 = 70 \text{ N at } 75^\circ$

2. $F_1 = 57 \text{ N at } 200^\circ$
 $F_2 = 63 \text{ N at } 347^\circ$

3. $F_1 = 61 \text{ N at } 250^\circ$
 $F_2 = 71 \text{ N at } 100^\circ$

4. $F_1 = 73 \text{ N at } 295^\circ$
 $F_2 = 60 \text{ N at } 160^\circ$