Finding Resultant Vectors using Trig

Sketch the vectors head to tail and then find Vr of each set of vectors. Draw an arc to indicate the angle you are measuring to give the direction.

1. V1 = 15 m/s x, V2 = 22 m/s y
2. V1 = – 18 m/s x, V2 = 25 m/s y
3. V1 = – 20 m/s x, V2 =– 22 m/s y
4. V1 = 25 m/s x, V2 = – 28 m/s y
5. V1 = 15 m/s x, V2 = 22 m/s y