**VECTOR DRAWING WORKSHEET**

Draw a tip to tail diagram of the following vectors using a ruler and protractor. Draw the vectors in alphabetical order only. Upon completion, state the magnitude and direction of the resultant vector. The scale to be used is as follows: 1 square = 20 m

A = 180 m, [W 45 degrees N]

B = 120 m, [E 45 degrees N]

C = 240 m, [E 15 degrees S]

D = 170 m, [W 20 degrees S]

E = 120 m, [E 45 degrees S]

F = 100 m, [E 20 degrees S]

G = 100 m, [E 80 degrees S]

H = 140 m, [W 50 degrees S]

I = 300 m, [W]

J = 160 m, [W 45 degrees N]

K = 100 m, [N]

L = 80 m, [W 50 degrees N]

M = 40 m, [E 25 degrees S]

N = 40 m, [N 10 degrees W]

O = 110 m, [E 40 degrees S]