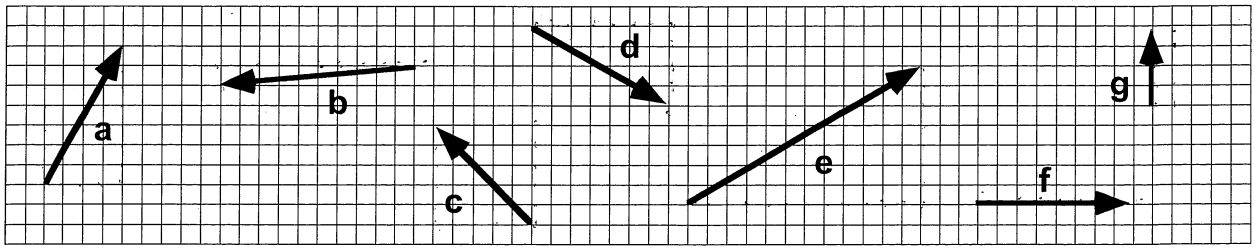
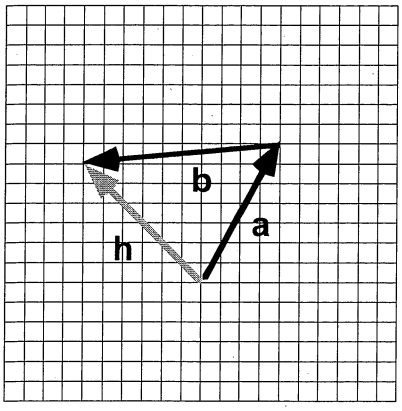
PhyzJob: Graphic Vector Addition

Parental discretion is advised



The vectors shown above are displacement vectors laid out on 1m x 1m squares. In the graphing spaces below, carry out "head to tail" vector addition or subtraction for the vectors specified. Below the graphing space, indicate the resultant vector

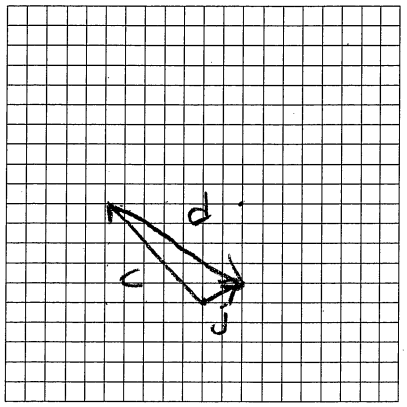
h = a + b



h = (-6m, 6m)

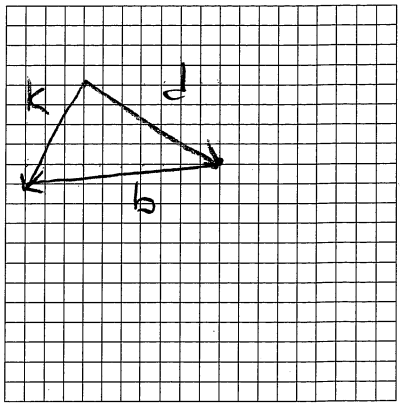
8.5m 45° North of West

j = c + d



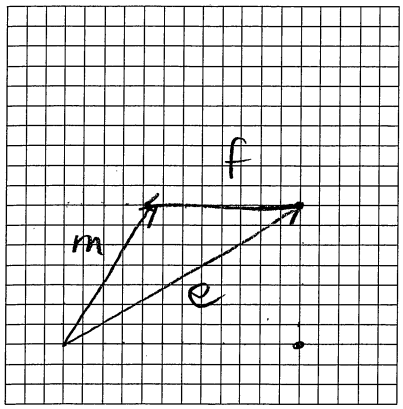
j = 2.2 27° N of E

k = d + b



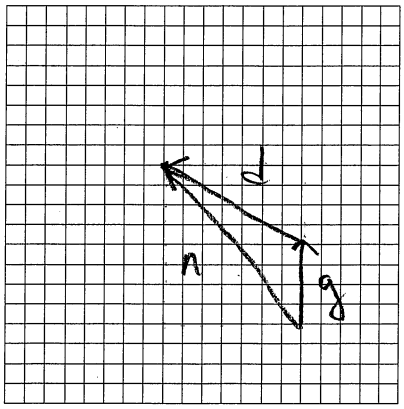
k = 5.8 59° S of W

m = e – f



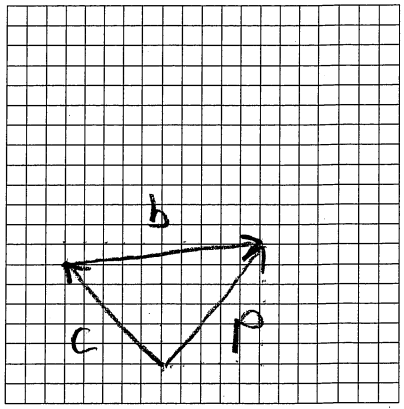
m = 8.1 30° E of N

n = g – d



n = 10.6 53° N of W

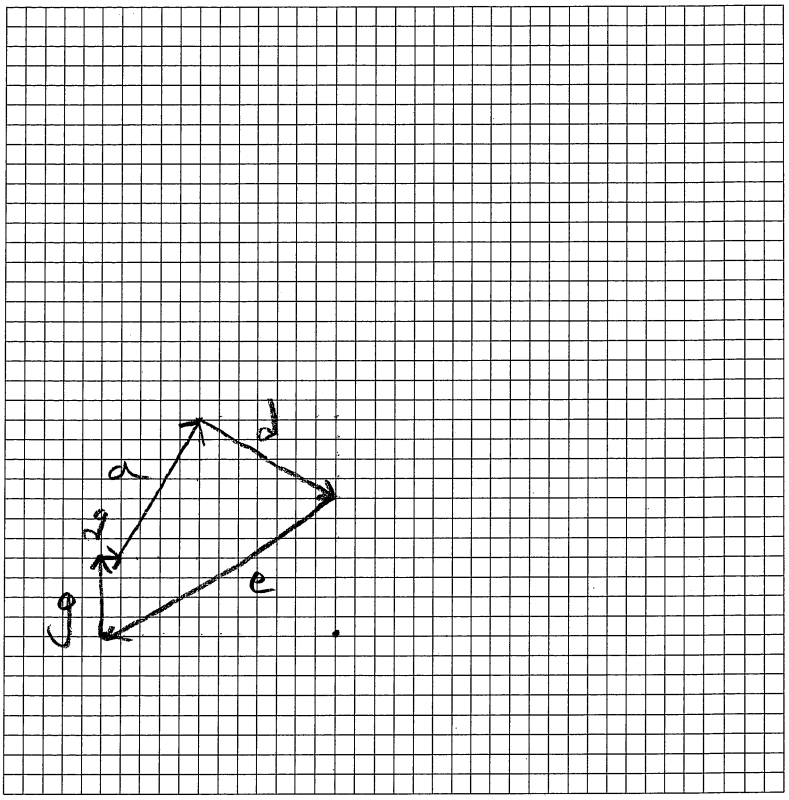
p = c – b



p = 7.8 50° N of E

q = a + d − e + g

q = 1 E



r = f + c − b − d

r = 11.7 31° E of N