1. Determine the components of the following vectors.

   (a) A bear walks 500 m at 30° North of east.

   (b) A runner runs 10000 m at 45° south of west.

   (c) A ball has a velocity of 25 m/s at an angle of 75° below the horizontal.

   (d) The acceleration due to gravity has a value of 9.8 m/s^2 pointing vertically downward.

   (e) A bear walks 3000 m at 53° north of west.

   (f) A bear walks 4000 m at 37° south of east.

   (g) A bear walks 1000 m due north.

   (h) A bear walks 500 m due west.

   (i) A bear walks 2500 m due east.