Answer Key

1) $C_x = 8.0$ and $C_y = 6.1$
2) a) 1.5 m/s
   b) 4.66 m
3) a) 0.034 m/s^2
   b) 1.4 hrs

4) 0.36 m/s at an angle of 52 degrees south of west

5) 25.5 m