A particle is projected from a point O on horizontal ground with speed $V \,\mathrm{m\,s^{-1}}$ at an angle of 60° above the horizontal. At the instant 3 s after projection the direction of motion of the particle is 30° below the horizontal.

(i) Find
$$V$$
. [3]

(ii) Calculate the distance of the particle from O at the instant 3 s after projection. [3]