A ball, initially at rest, is dropped from a vertical height of h metres above the 14 Earth's surface. After 4 seconds the ball's height above the Earth's surface is 0.2*h* metres. 14 (a) Assuming air resistance can be ignored, show that h = 10g[3 marks] 14 (b) Assuming air resistance cannot be ignored, explain the effect that this would have on the value of h in part (a). [1 mark]