

### 7.2.3 Task 3 Answers

Initial Condition 1: For a planet with radius 6371 km and density 5513 kg/m<sup>3</sup>, the estimated escape velocity is 11185.464 m/s.

Initial Condition 2: For a planet with radius 2574.73 km and density 1879.8 kg/m<sup>3</sup>, the estimated escape velocity is 2639.611 m/s.