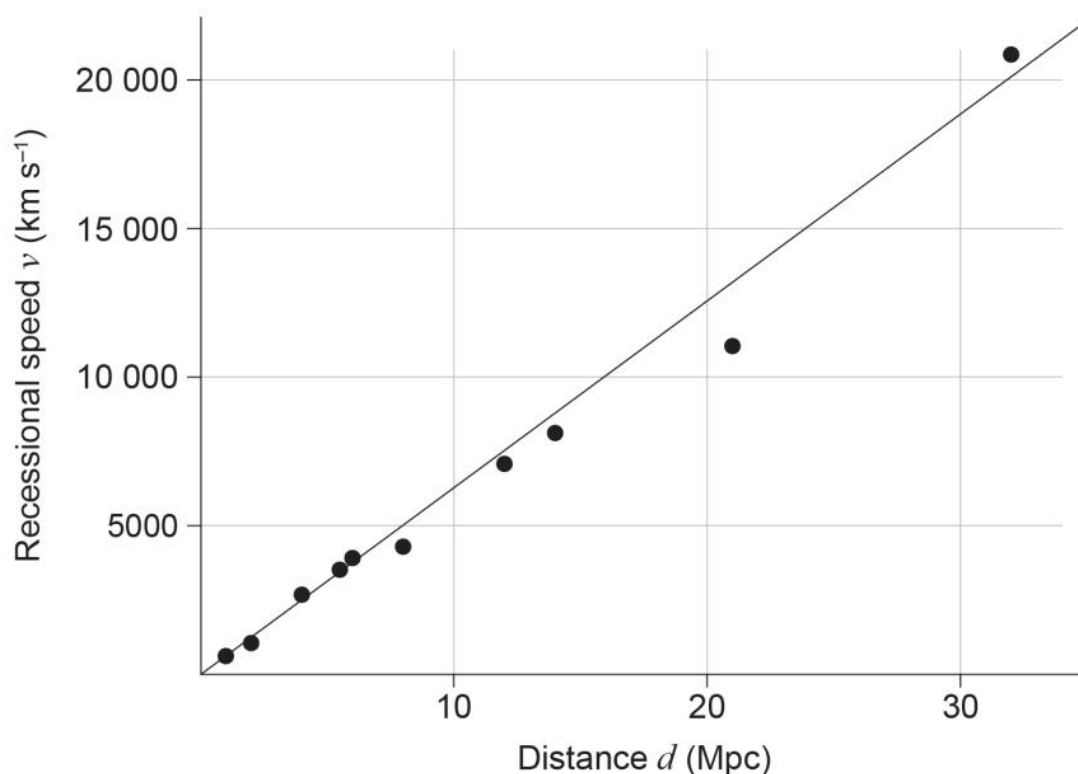


Question 11**(4 marks)**

Edwin Hubble needed two key sets of data to deduce that the universe was expanding. One was that the properties of some stars allowed their distance from Earth to be calculated, and therefore, the distance to nearby galaxies determined.

- (a) Describe the other key observation, detailing the nature of the measurements made. (2 marks)

- (b) Describe the interpretation of these observations and how they show that the universe is expanding. (2 marks)
