| Question number | | Answer | Notes | Marks |
|-----------------|---------|--|---|-------|
| 2 | (a) (i) | substitution into F = (mv - mu)/t; evaluation; correct direction; e.g. | -1 if POT error independent mark 208.3 scores 2 marks max. if given with correct direction | 3 |
| | | (F =) (6.74.2) / 0.012 (F =) 910 (N) (direction =) right | allow 908.3(N) allow forwards ignore compass directions 0.9083 scores 1 mark | |
| | (ii) | same forces as in (a)(i) AND opposite direction; | allow ECF from (a)(i) for both points allow ECF for compass direction only if opposite to direction given in (i) | 1 |
| | | e.g. (F =) 910 (N) AND (direction =) left | | |
| | (b) | any three from: MP1. idea that there is a change of momentum (when ball hits player); MP2. (equipment) increases (impact) time; MP3. decreases rate of change of momentum (of ball); MP4. decreases force (on player); MP5. decreases pressure (on player); | allow spreads force | 3 |
| | | | over larger area | |

Total for Question 2 = 7 marks