

**Answer ALL questions.**

- 1 (a) Which of these is a scalar quantity?

(1)

- ☐ A weight  
☐ B mass  
☐ C momentum  
☐ D velocity

- (b) Which of these is a vector quantity?

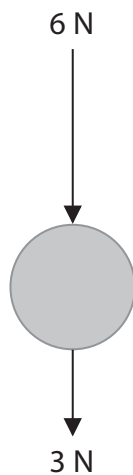
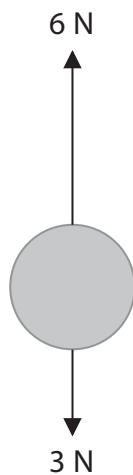
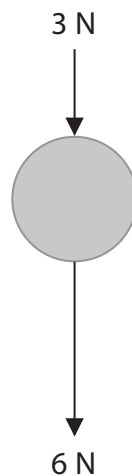
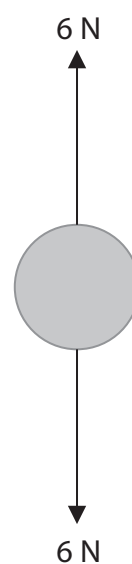
(1)

- ☐ A acceleration  
☐ B temperature  
☐ C charge  
☐ D density

- (c) The diagrams show the forces acting on four balls falling in air.

Which diagram shows a ball decelerating as it falls?

(1)

☐ A☐ B☐ C☐ D

(Total for Question 1 = 3 marks)

