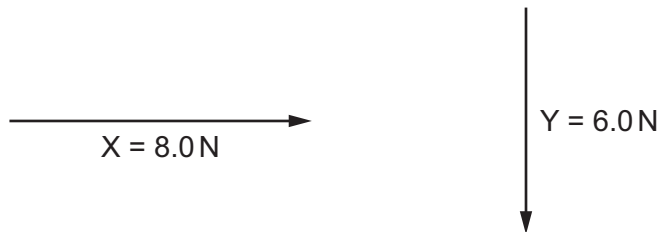


- 2 The diagram shows two vectors X and Y . The vectors are perpendicular to one another.



What is the magnitude and direction of vector $(X - Y)$?

- A** 10.0 N at an angle of 37° downwards from the direction of X
- B** 10.0 N at an angle of 37° upwards from the direction of X
- C** 14.0 N at an angle of 53° downwards from the direction of X
- D** 14.0 N at an angle of 53° upwards from the direction of X