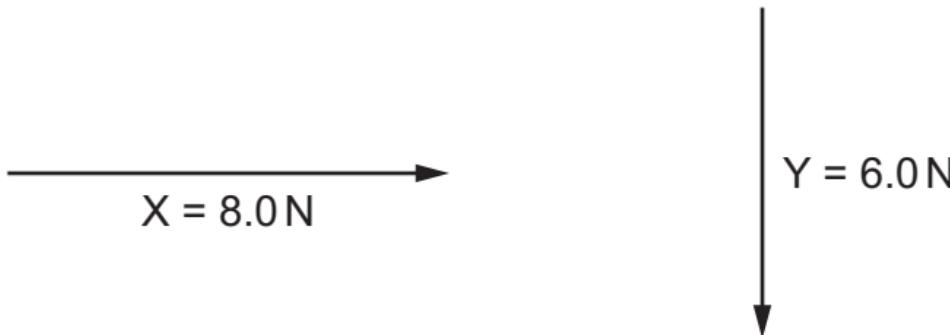


2 The diagram shows two vectors X and Y. The vectors are perpendicular to one another.



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