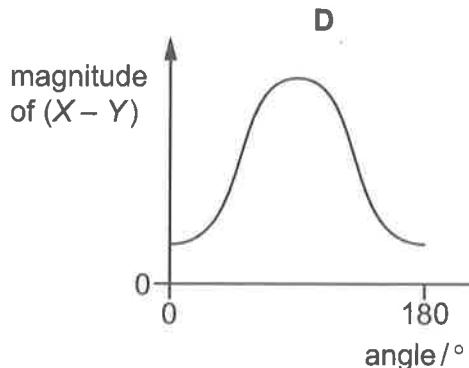
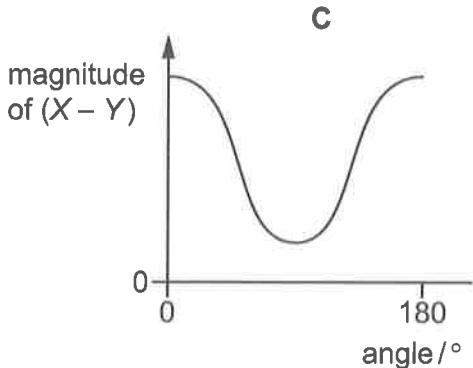
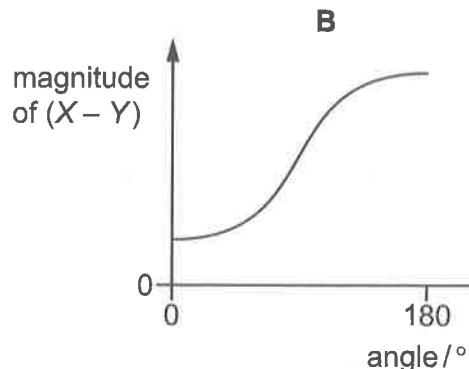
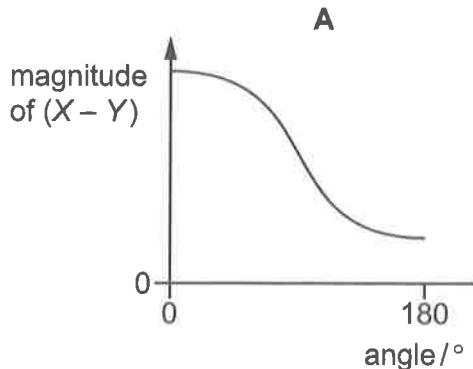


- 1 X and Y are vectors. The magnitude of X is less than the magnitude of Y . The vectors are initially in opposite directions.

As Y is rotated through 180° , how does the magnitude of the vector $(X - Y)$ vary?



- 2 An archer is standing level with the centre of a target, as shown.