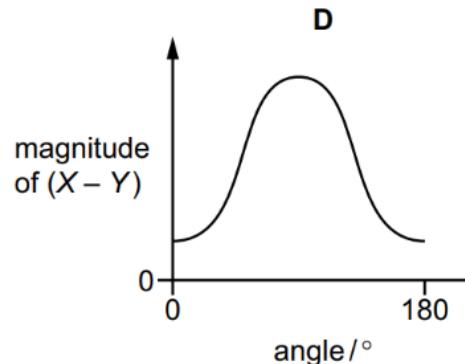
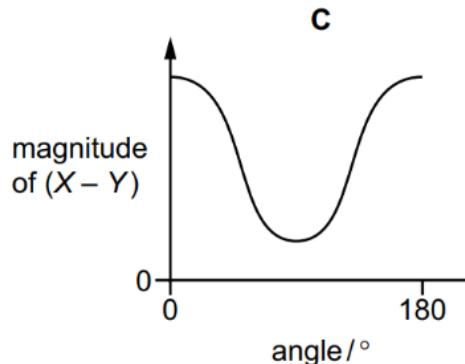
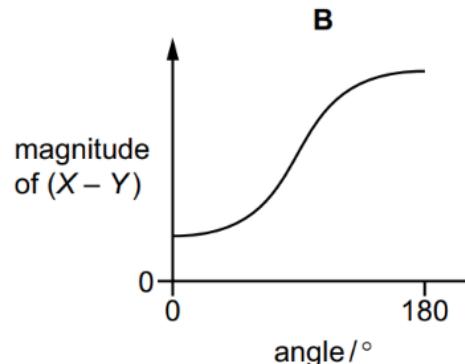
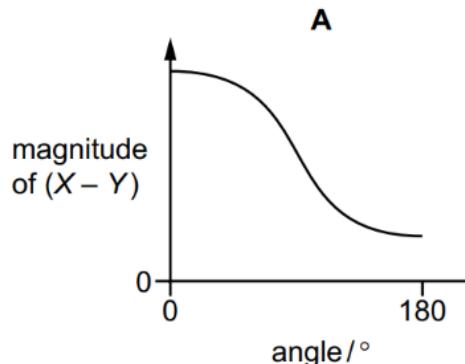


- 4 X and Y are vectors. The magnitude of X is less than the magnitude of Y. The vectors are initially in opposite directions.

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



- 5 A car, starting from rest at time $t = 0$, travels along a road. The distance travelled from the starting