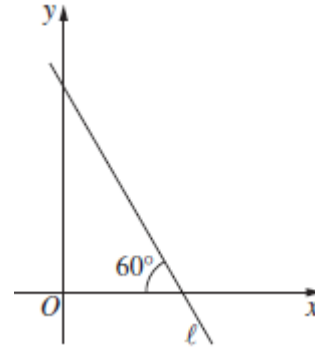


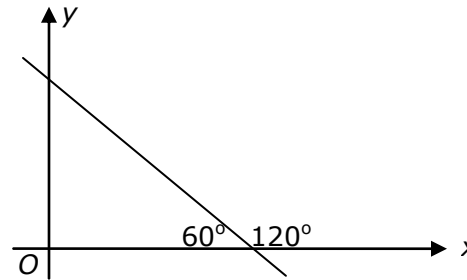
2013 2 The diagram shows the line ℓ . What is the slope of the line ℓ ?

- (A) $\sqrt{3}$
- (B) $-\sqrt{3}$
- (C) $\frac{1}{\sqrt{3}}$
- (D) $-\frac{1}{\sqrt{3}}$

**1****B**

The line forms an angle of 120° with the positive direction of the x -axis:

$$\begin{aligned}\therefore m &= \tan \theta \\ &= \tan 120^\circ \\ &= -\tan 60^\circ \\ &= -\sqrt{3}\end{aligned}$$



State Mean:
0.62

* These solutions have been provided by [projectmaths](#) and are not supplied or endorsed by BOSTES.