

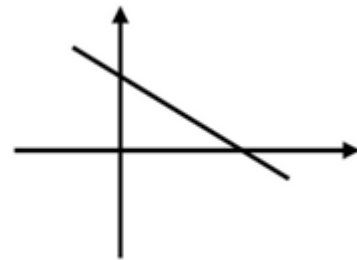
Samples from Integral's teaching resources: AS level Coordinate Geometry

As well as extensive resources aimed at students such as exercises, online tests, skill packs and learning walkthroughs, Integral contains numerous teaching ideas and classroom activities. Examples are featured in this series:

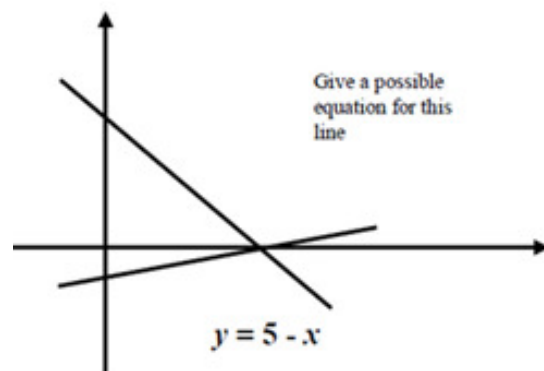
Activity 1 – Equations of straight lines

The following questions can be used to reinforce and assess learning. Students can answer on mini-whiteboards and should be told that they need to find a different answer from anyone sitting near them.

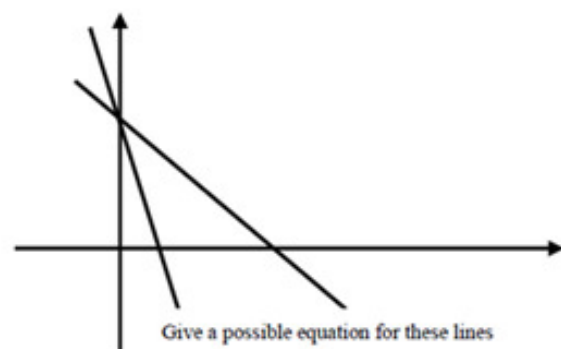
- Give me an example of an equation whose graph has a y-intercept of 5
- Give me an example of an equation whose graph has an x-intercept of 2
- Give me an example of an equation whose graph has a gradient of 4
- Give me an example of an equation whose graph passes through the point (5,3)
- Give me a possible equation for this graph



- More challenging graphs where there are two (or more) graphs involved can be given, e.g.



or



For more information about Integral and to access further samples visit integralmaths.org.