

Mathematics

Equations of lines

Worksheet

Mr Maseko



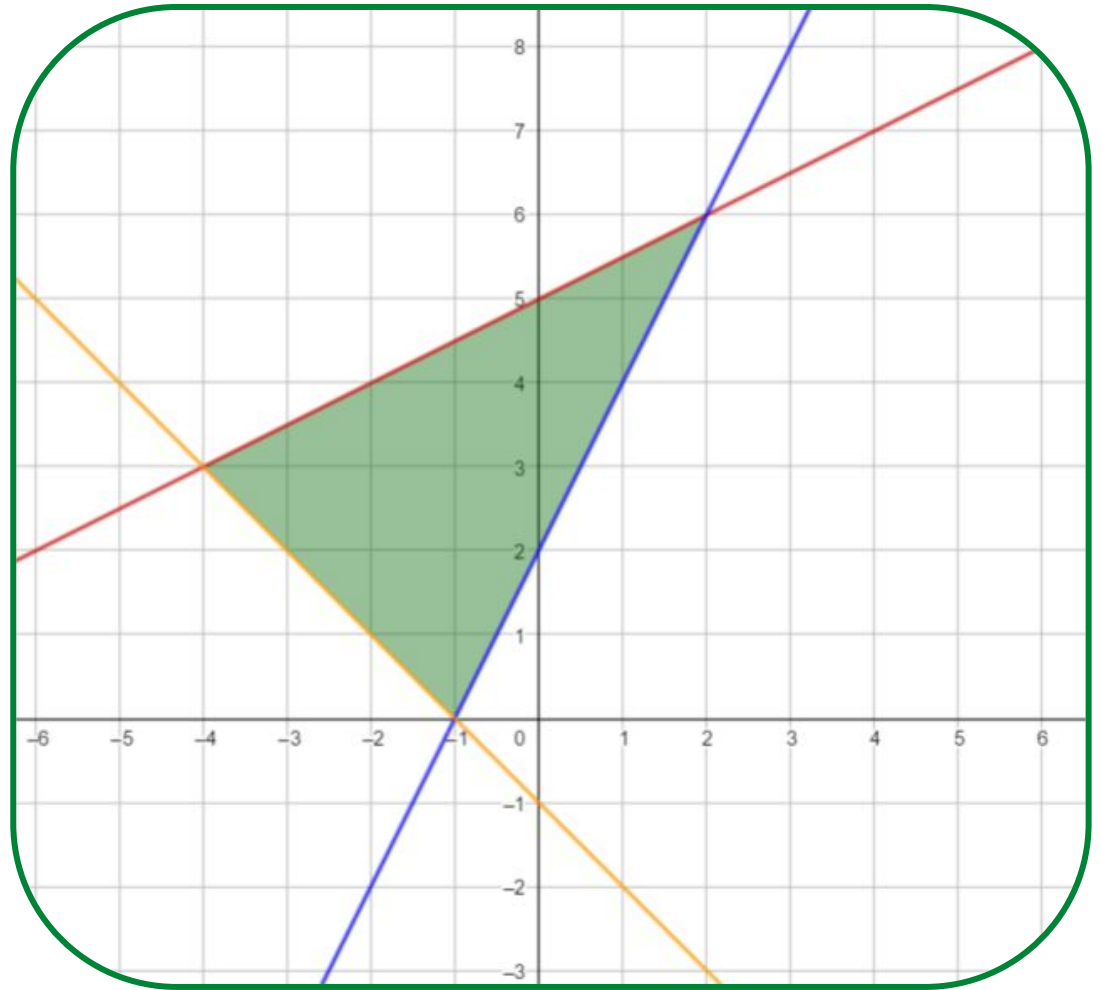
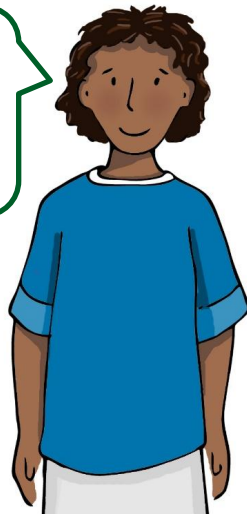
Try this

These 3 linear graphs create a triangle.
What information can you say about the triangle?

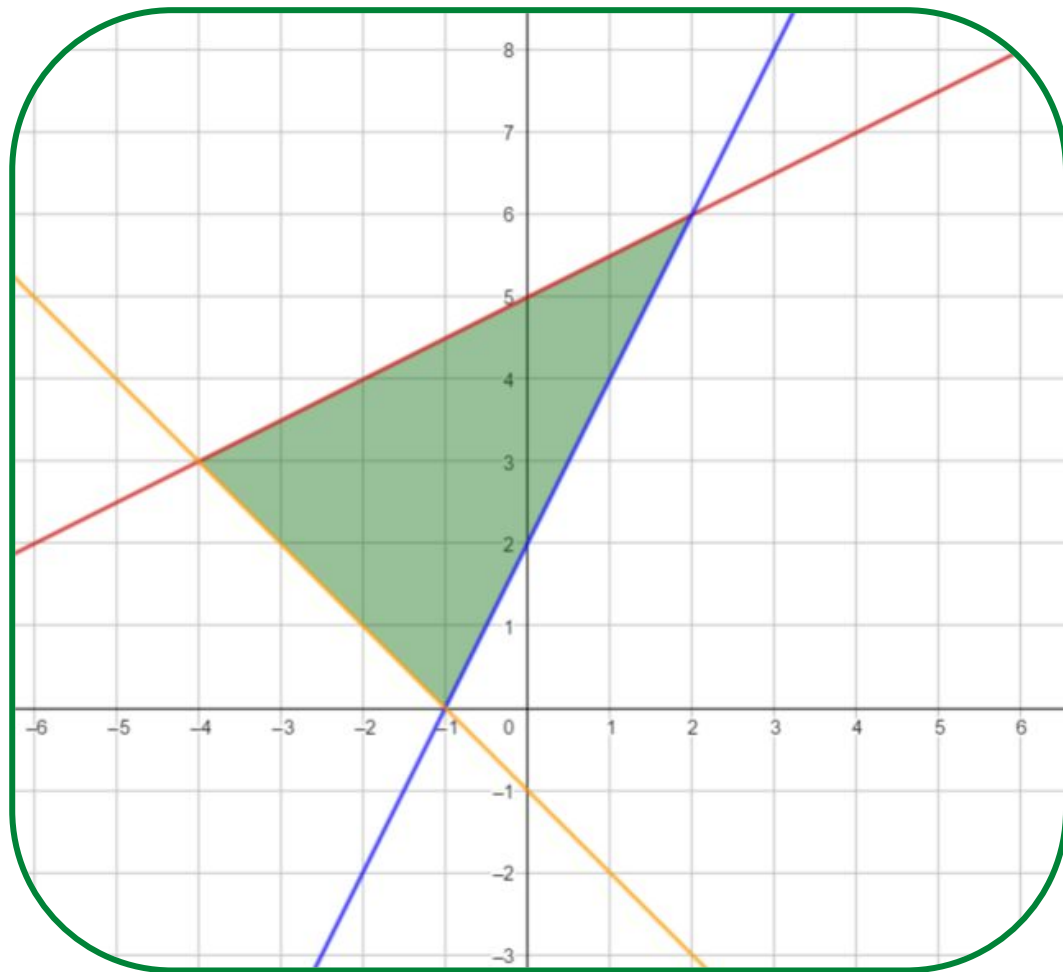


The red line has a y-intercept at _____

The blue line has a gradient of _____



Connect



Equation of lines from the graphs.



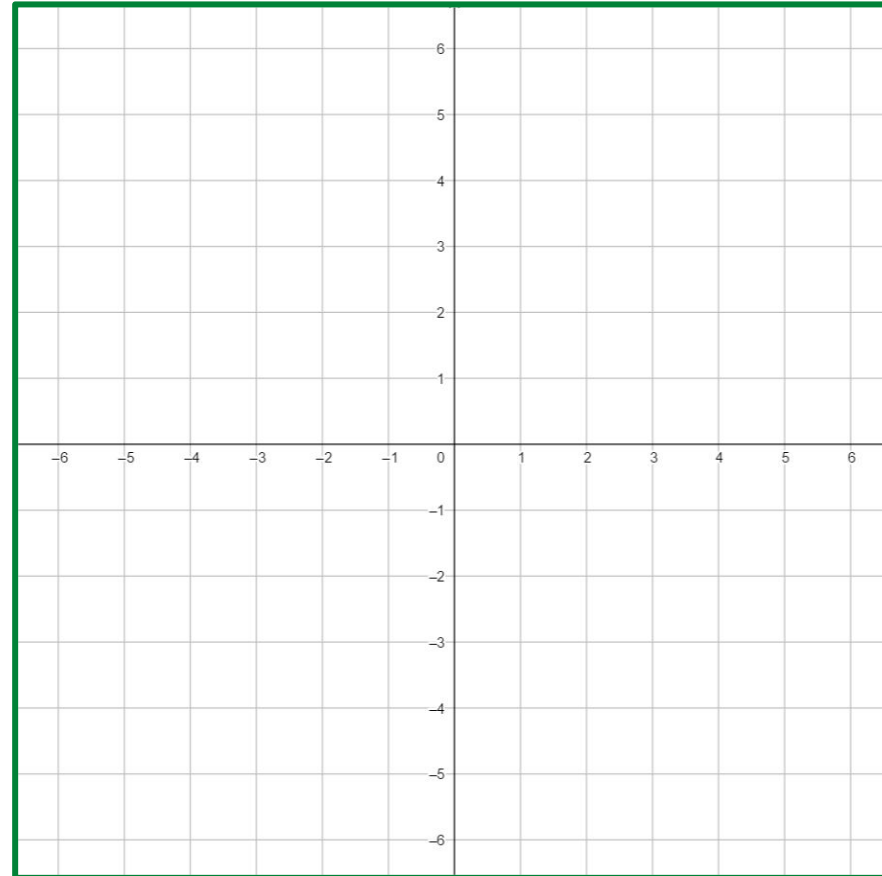
Independent task

1) Draw the following lines and state the coordinates of the intersection points:

a) $y = 2x + 3$

b) $y = -2x + 1$

c) $y = x - 4$



Explore

- 1 Find the equation of each of these lines.
- 2 List the equations of some linear graphs that would have the same gradient one of these graphs.

