



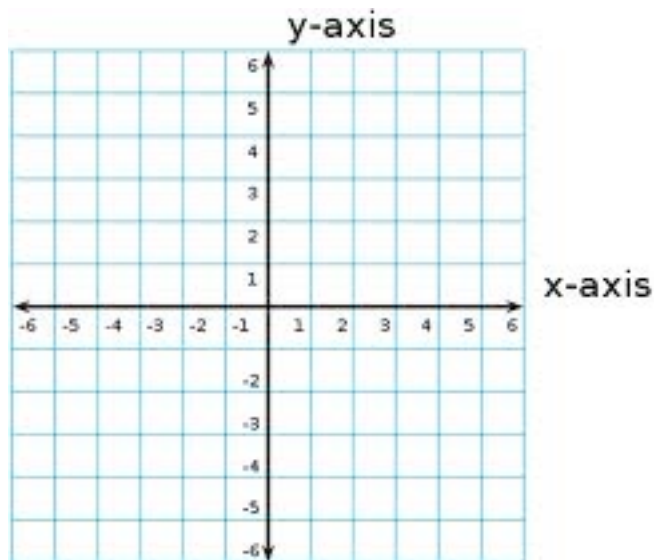
Year 8 Mathematics

Linear Relationships Practice Test 2

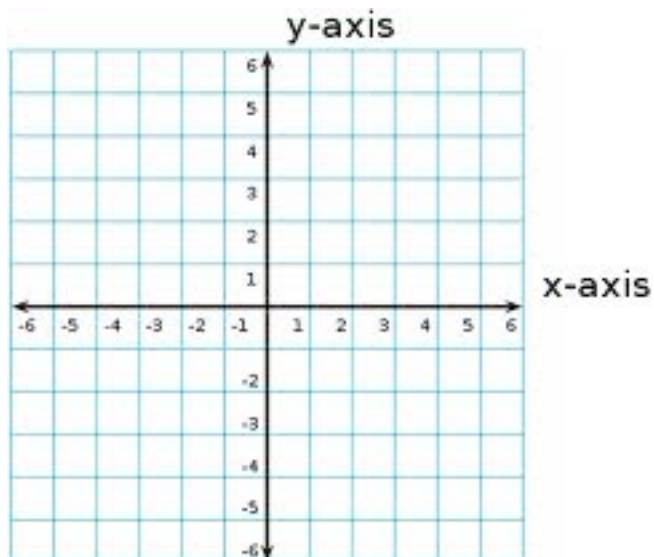
Name _____

1 Graph $y = x + 1$ on the number plane

x	-2	-1	0	1	2
y					

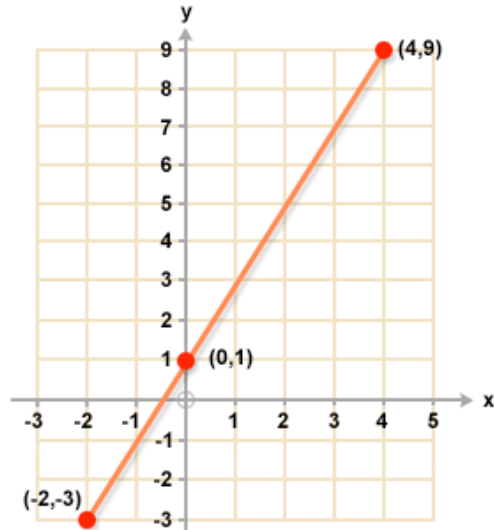


2 a) Graph $y = 2x - 3$



b) State the coefficient of x , and the constant term

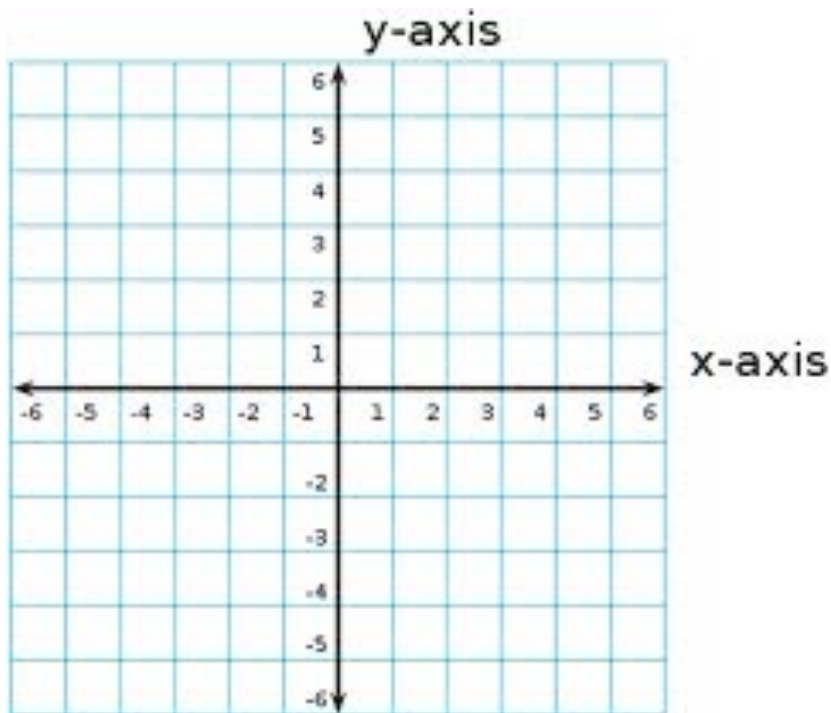
- 3 a) Does the point $(5, 8)$ lie on the line $y = 2x - 3$
 b) What is the coefficient of x in $y = 2x - 3$?
 c) What is the constant term in $y = 2x - 3$?
- 4 Work out the equation of the line below



- 5 On the same set of axes graph $y = x + 1$ and $y = 2x - 2$

x	0	1	2
y			

x	0	1	2
y			



Write the coordinates of their point of intersection and show that the point satisfies both Equations

- 6 The line $y = 2x + 4$ and $y = 2x - 3$ have been graphed on the same axes on the right
- a) What is the coefficient of x in $y = 2x + 4$?
 - b) What is the coefficient of x in $y = 2x - 3$?
 - c) What do you notice about the slope of both lines?
 - d) What is the constant term in $y = 2x + 4$?
 - e) What is the constant term in $y = 2x - 3$?
 - f) What do you notice about the intercepts of both lines?

