

# Linear and non-linear relationships

## Topic 4: Intersection of two lines

**QUESTION 1** Graph each pair of lines on the same number plane and find their point of intersection.

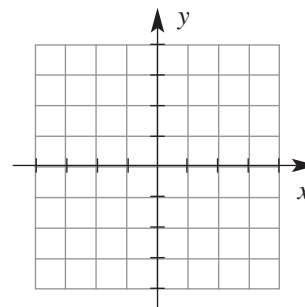
**a**  $x = 1; y = 3$

$x = 1$

x					
y					

$y = 3$

x					
y					



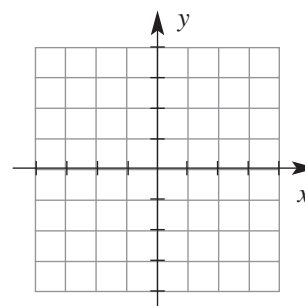
**b**  $x = 3; y = -2$

$x = 3$

x					
y					

$y = -2$

x					
y					



**QUESTION 2** Graph each pair of lines on the same number plane and find their point of intersection.

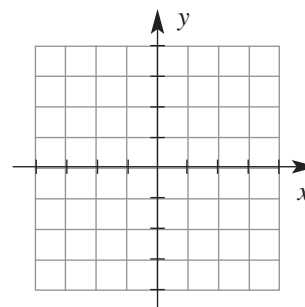
**a**  $y = 2x - 1; y = -x + 2$

$y = 2x - 1$

x	-1	0	1	2
y				

$y = -x + 2$

x	-1	0	1	2
y				



**b**  $y = 3x - 1; y = x - 3$

$y = 3x - 1$

x	-1	0	1	2
y				

$y = x - 3$

x	-1	0	1	2
y				

