#04 SA Straight Lines

Name *

....

Section *

$$9x + 2y = 85$$

○ Option 1

$$9x - 2y + 85 = 0$$

○ Option 2

$$2x - 9y + 85 = 0$$

◉ Option 3 ✓

$$2x + 9y + 85 = 0$$

○ Option 4

$$2x + y - 2 = 0$$

○ Option 1 ✓

$$x + 2y - 2 = 0$$

○ Option 2

$$x - 2y - 2 = 0$$

○ Option 3

$$2x - y - 2 = 0$$

○ Option 4

✓ The line -x+y+2=0 divides the join of the points (3,-1) and (8,9) in the ratio 1/1
*

$3:4$	$3:2$
○ Option 1	○ Option 2
$4:3$	$2:3$
○ Option 3	◉ Option 4 ✓

✓ The equation of the line passing through (1,2) cutting equal intercepts on the axes is *

$$x + y + 3 = 0$$

○ Option 1

$$x + y - 3 = 0$$

◉ Option 2 ✓

$$-x + y - 3 = 0$$

○ Option 3

$$x - y + 3 = 0$$

○ Option 4

✓ The line passing through (–3,2) is such that the portion intercepted between the axes is divided by this point in the ration 1 : 2. The equation of the line is *

$$4x - 3y - 18 = 0$$

○ Option 1

$$4x - 3y + 18 = 0$$

◉ Option 2 ✓

$$3x - 4y + 18 = 0$$

○ Option 3

$$3x - 4y - 18 = 0$$

○ Option 4

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