



#04 SA Straight Lines

Total points **5/5** ?

Name *

.....

Section *



✓ The perpendicular from the origin to a line meets it at the point $(-2,9)$. 1/1
The equation of the line is *

$$9x + 2y = 85$$

Option 1

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

Option 2

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

Option 3 ✓

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

Option 4



✓ The vertices A,B,C are (2,-2), (1,1) and (-1,0) respectively. The equation of altitude from the vertex A to BC *

1/1

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

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

Option 1

3 : 2

Option 2

4 : 3

Option 3

2 : 3

Option 4



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

1/1

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

Option 1

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

Option 2



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

Option 3

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

Option 4

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Google Forms

