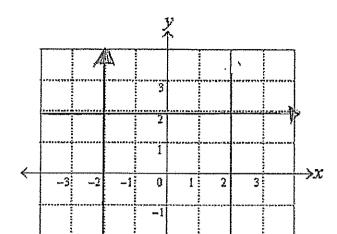


2	Complete the sentences using one of the following words {positive, gradient,	(3)
	perpendicular, negative, parallel}	
	a) The equation of the line $y = 3x + 2$ is in g_{rad} intercept form.	
	b) The line $y = 3x + 2$ is $\frac{paralle}{}$ to $y = 3x - 6$.	
	c) The line $y = -4x - 2$ has a <u>regative</u> gradient.	
	y .	
3	Write the line $4x - 2y + 2 = 0$ in gradient intercept form.	(2)
	$\frac{4x+2}{2} = \frac{2y}{2}$	
	$\underline{y} = 2x + 1$	
4	For the line $y = -2x + 4$ write;	(3)
*	a) the gradient $\frac{2}{1}$	
	b) y-intercept	
	c) the equation of the line perpendicular to $y = -2x + 4$ passing through	
	-6 on the y-axis.	
	$M_1 M_2 = -1 \qquad \qquad \mathcal{J} = M_2 + b$	
	$M_1 M_2 = -1$ $y = M_2 + b$ $y = \frac{1}{2}x - 6$	
	$m_2=\frac{1}{2}$	
L	Find the equation of the line drawn through the points (-2, 3) and (1, -3).	(3)
5	Find the equation of the line drawn through the points (-2, 3) and (1, -3). Leave in gradient-intercept form. $ M = V \subseteq M = 6 $ $ V \subseteq M = 6 $	
	$run \qquad 3 \qquad m=2$	
	$\frac{y}{y = mx + b}$	
	3	
	$\langle \begin{array}{c ccccccccccccccccccccccccccccccccccc$	
	-2	
	¥	



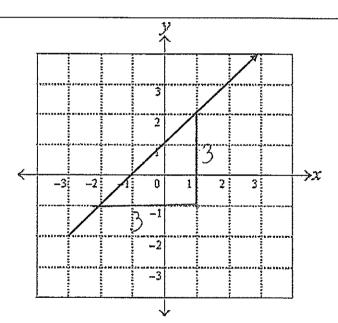
a) Draw y = 2 and x = -2 on the number plane



(2)

(2)

7



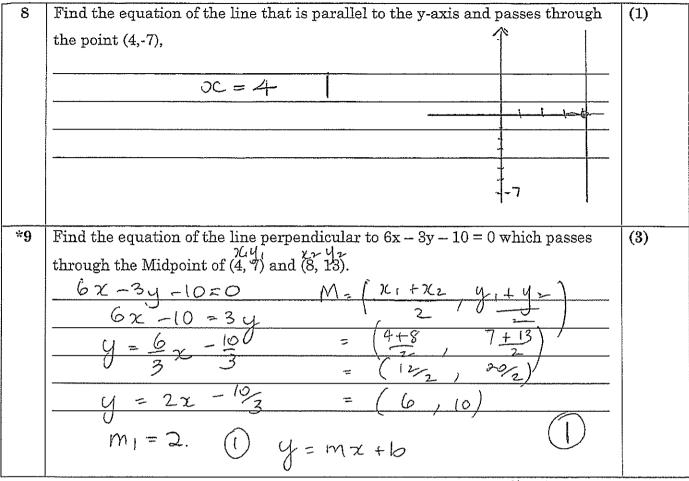
b) Write the point of Intersection of the two lines (-2, 2)

a) Write the equation of the line above in Gradient Intercept form.

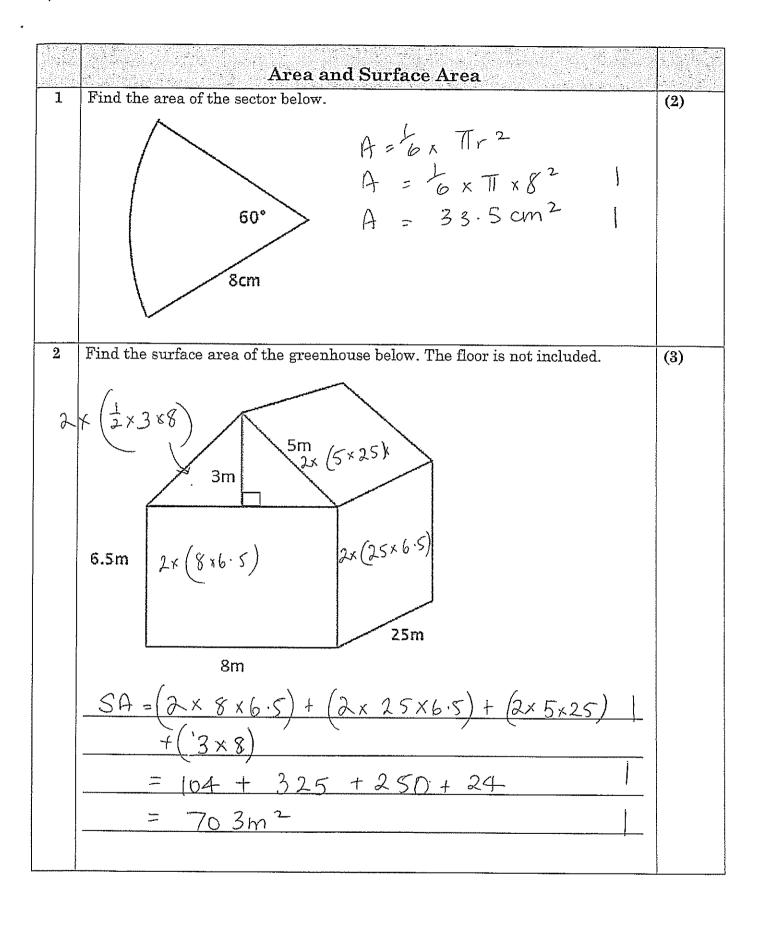
$$m = \frac{3}{3} m = 1$$
 $y = 9C + 1$.

b) Write the equation in general form.

$$\frac{y=x+1}{x-y+1=0}$$



$$M_{1}M_{2}=-1$$
 $y=-\frac{1}{2}x+b$
 $(6,70)$
 $2\times M_{2}=-1$
 $10=-\frac{1}{2}\times 6+b$
 $M_{2}=-\frac{1}{2}$
 $10=-3+b$
 $13=b$
 $y=-\frac{1}{2}x+13$

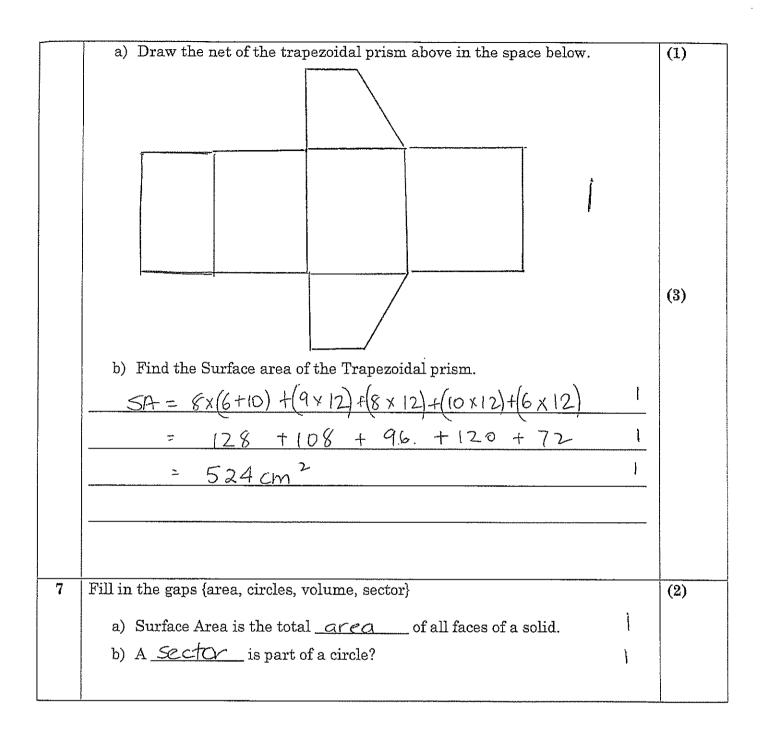


	b) Sheet metal is \$15 per square metre. What is the total cost of the metal?	(1)
	$= 8.84 \times 15 - 9 \times 15$	_
VIII.	=\$132.60 =\$135	_
5	Find the area of the grass around the outside of the pond below.	(2)
	POND $ \begin{array}{c} 7.5m \\ A = (7.5 \times 7.5) - (11 \times 2.52). \end{array} $	
	$A = 56.25 - 19.63$ $A = 36.6 \text{ m}^2$	
	$A = 36.6 \mathrm{m}^2$	
6	n 1 - c / (, ,) 7-2 ,	
	$A = \left[\frac{1}{2} \times 8 \times (6+10)\right] \times 2 + 9 \times 12 + 8 \times 12 + 10 \times 12$ $6cm \qquad \qquad$	

12cm

8cm

10cm



End of Examination