

CCK F2 Second term Core HW 4 Ch 9 (Review)

S2 Maths 2nd term Core HW 4 Ch 9 (Review)

1. In each of the following, make the letter in brackets the subject of the formula.

(a) $4y + x = 13$ [x]

(b) $3x - 5y = 7$ [x]

(c) $x = 6y + 7$ [y]

(d) $4x + 8y - 3 = 0$ [y]

2. Consider the formula $y = 5 - 4x$. Find the value of y when

(a) $x = 2$

(b) $x = -3$

3. Consider the formula $3x = y + 6$. Find the value of

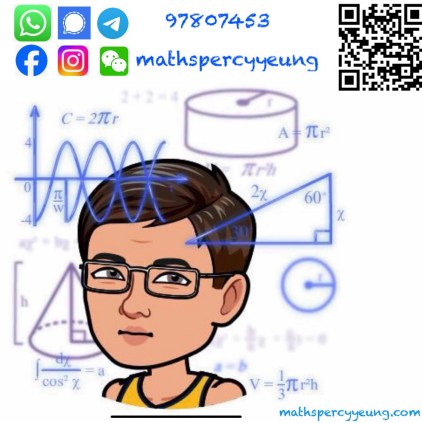
(a) y when $x = 1$

(b) x when $y = -3$

4. Consider the formula $2x - 5y = 12$. Find the value of

(a) x when $y = 2$

(b) y when $x = -4$



5. Solve the following equations.

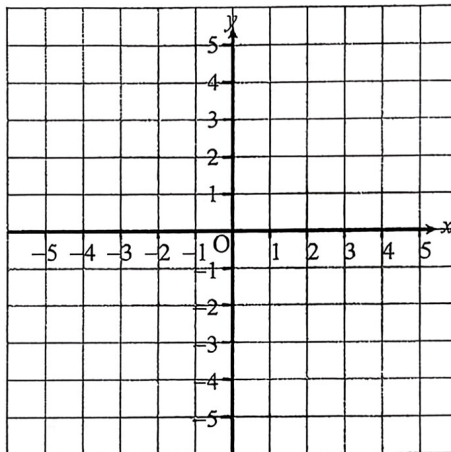
(a) $\frac{x+2}{3} = 4$

(b) $\frac{2y}{5} - 7 = 3$

(c) $3x + 8 = 6 - 7x$

(d) $4y - 3(2y + 1) = 5$

6. Plot four points $A(4, 1)$, $B(-1, 3)$, $C(-5, -2)$ and $D(3, -4)$ on the rectangular coordinate plane provided below.



7. The figure shows four points P , Q , R and S on the rectangular coordinate plane. Write down the coordinates of P , Q , R and S .

