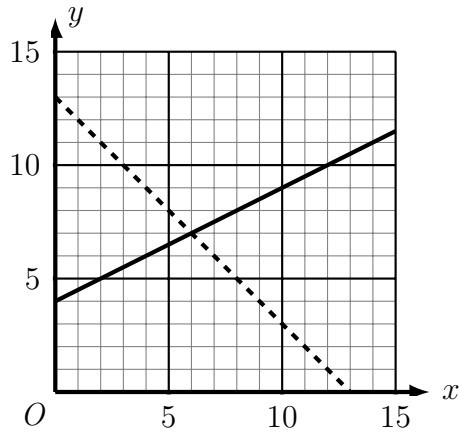


1. Solve these simultaneous equations graphically



— $y = 0.5x + 4$

- - - $y = 13 - x$

$x = \dots$ $y = \dots$

2. Solve the simultaneous equations

$$y = 3x - 2$$

$$y = 18 - 2x$$

3. Solve the simultaneous equations

$$3x - y = 3$$

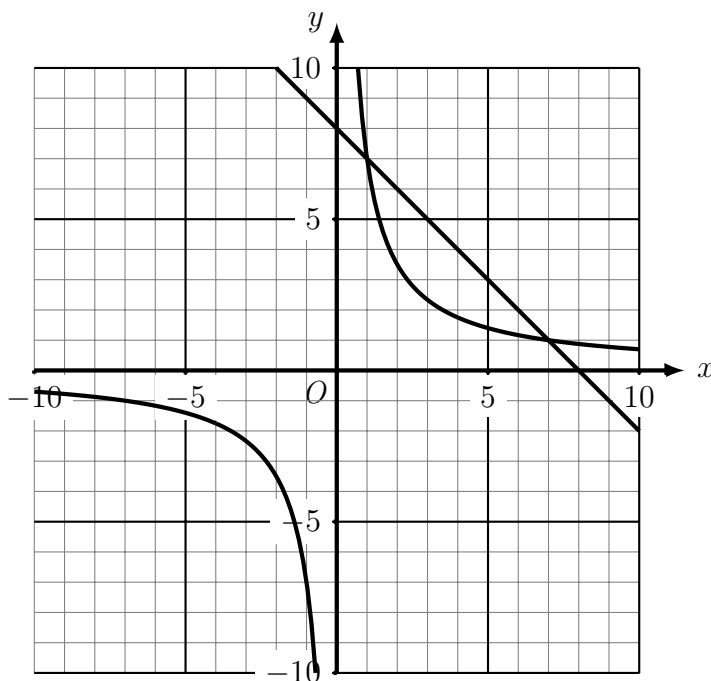
$$4x = 8$$

4. Solve the simultaneous equations

$$2x + y = 7$$

$$4y - 2x = 8$$

5. Use the graphs to solve the simultaneous equations $y = 8 - x$ and $y = \frac{7}{x}$



.....

6. (a) Solve the simultaneous equations

$$8x - 7y = 9$$

$$5y - 2x = 1$$

- (b) Solve the simultaneous equations

$$3x + 4y = 17$$

$$2y - x = 1$$

7. (a) Solve the simultaneous equations

$$4x + 3y = 11$$

$$3y - x = 1$$

- (b) Solve the simultaneous equations

$$4x - 5y = 16$$

$$4x + y = 4$$

{FYI Avoid many negative number problems, by one equation $\times -1$ (changes all signs)}

8. Solve the simultaneous equations (use any of the methods up to layer 7)

{FYI Solutions may be small positive or negative integers or $\square.5$ }

(a) $4x + 2y = 16$

$$3x - 2y = 19$$

(b) $2x + 2y = 9$

$$6y - 2x = 3$$

(c) $4x - 3y = 4$

$$5y - 2x = 5$$

(d) $3x + y = 1$

$$4x - 2y = 18$$

(e) $2x + 5y = 18$

$$2x + 3y = 12$$

(f) $2x - 5y = 11$

$$2x + 3y = -13$$

9. Layer not written yet

10. (a) Solve the simultaneous equations

$$3x + 4y = 7$$

$$4x + 2y = 1$$

- (b) Solve the simultaneous equations

$$2x + 5y = 15$$

$$3x - 2y = 13$$