

Simultaneous equations – 2022 Nov IGCSE 0606 Additional Math

1. Nov/2022/Paper_0606_13/No.3

(a) Solve the following simultaneous equations.

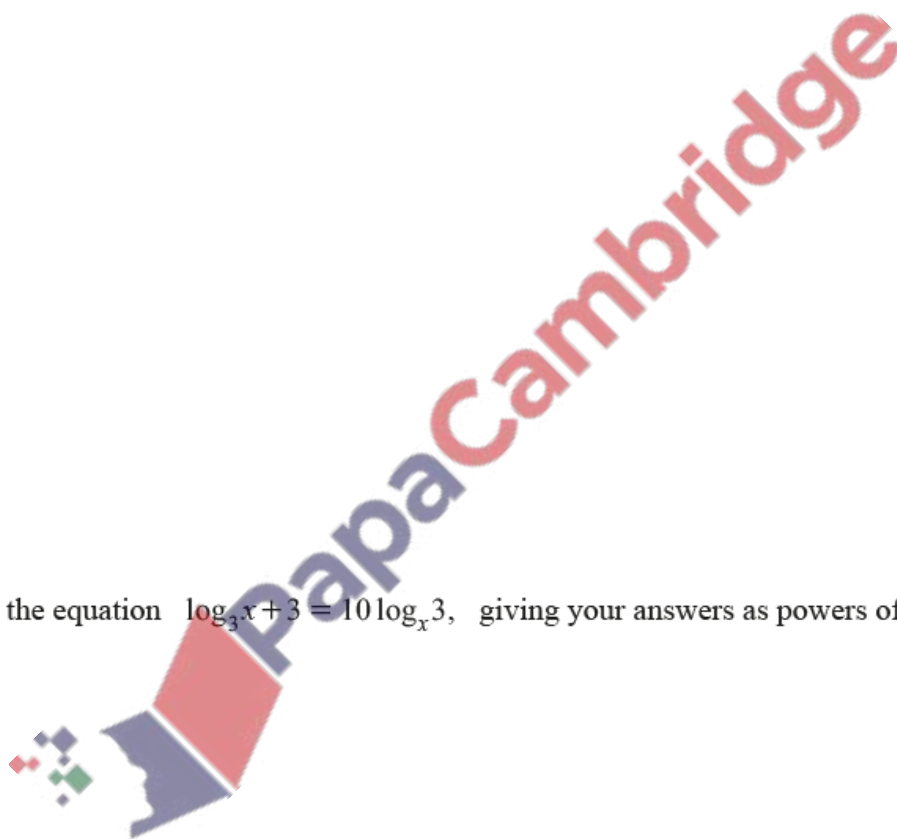
$$3y - 2x + 2 = 0$$

$$xy = \frac{1}{2}$$

[3]

(b) Solve the equation $\log_3 x + 3 = 10 \log_x 3$, giving your answers as powers of 3.

[4]



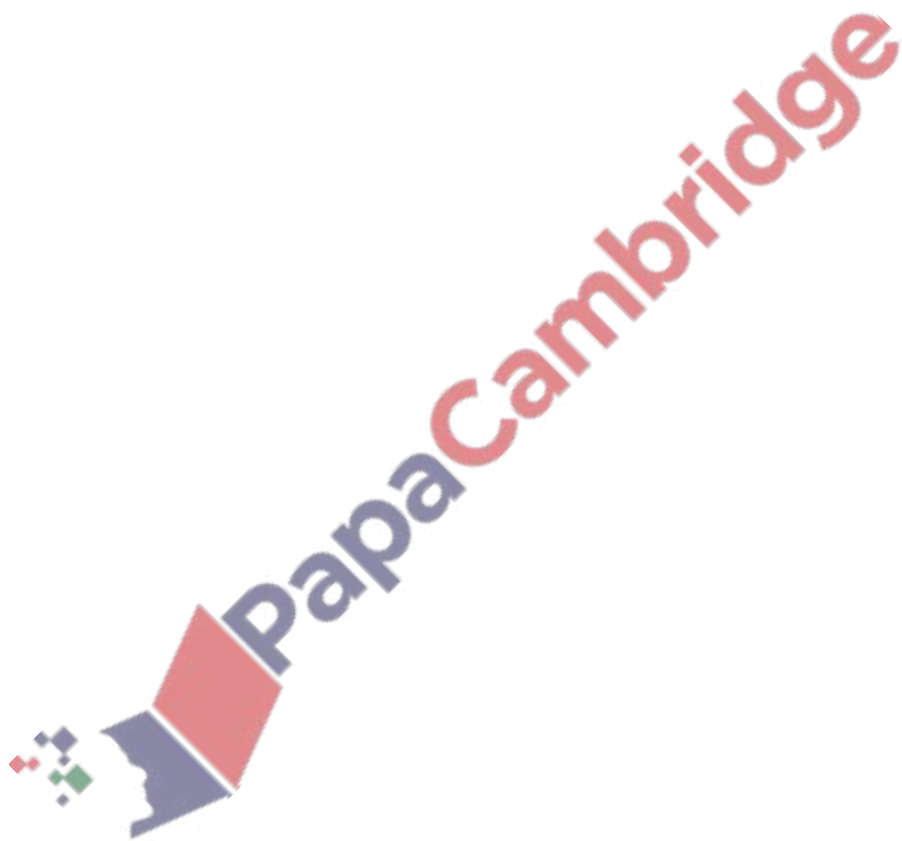
2. Nov/2022/Paper_0606_21/No.1

Solve the following simultaneous equations, giving your answers in the form $a + b\sqrt{7}$ where a and b are integers.

$$x + 3y = 11$$

$$x - \sqrt{7}y = 7$$

[5]



3. Nov/2022/Paper_0606_22/No.1

Solve the following simultaneous equations.

$$x + 5y = -4$$

$$3y - xy = 6$$

[5]

