



Leith Academy National 5 Home Learning



SIMULTANEOUS EQUATIONS

CALCULATOR

1) Solve these equations graphically.

$$y = 2x + 3 \text{ and } y + x = 12$$

2) Solve these pairs of equations algebraically.

a) $y - 5x = -2$
 $3y - 2x = 33$

b) $3x - 5y = 11$
 $4x + 3y = 5$

c) $3a + 5b = -1$
 $2a - 3b = 12$

3) In a bar, 3 glasses of wine and 2 coffees cost £18 and 4 glasses of wine and 3 coffees cost £25. Calculate the cost of 5 glasses of wine and 3 coffees.