

# Starting Six

Solve the equation:  $9x - 5 = 4x + 10$

Solve the pair of simultaneous equations:

$$4x + 3y = 18$$

$$7x - 4y = 50$$

Simplify the algebraic fraction:

$$\frac{x^2 - x - 12}{x^2 - 16}$$

Make  $x$  the subject of the formula:

$$xb + p = 8 - xk$$

Expand and simplify:  $(2x+1)(x+3)(x+2)$

$$f(x) = 4x-3 \text{ and } g(x) = x^2 - 6$$

Find:  $gf(x)$

Find:  $f^{-1}(x)$

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