5a

Starting Six

ACCESS MATHS

Solve the equation: $3x + 3 = 7x - 11$

Solve the pair of simultaneous equations:

$$3x + 4y = -14$$
$$12x - 3y = 20$$

Simplify the algebraic fraction:

$$\frac{3x^2 - 26x + 16}{x^2 - 64}$$

Make x the subject of the formula:

$$8x - 5 = p - xd$$

Expand and simplify: $(2x-3)(2x+3)(x+7)$

$f(x) = 7x-4$ and $g(x) = x^2 - 3$

Find: $fg(x)$

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

Score ____ / 6

www.accessmaths.co.uk

5a

Starting Six

ACCESS MATHS

Solve the equation: $3x + 3 = 7x - 11$

Solve the pair of simultaneous equations:

$$3x + 4y = -14$$
$$12x - 3y = 20$$

Simplify the algebraic fraction:

$$\frac{3x^2 - 26x + 16}{x^2 - 64}$$

Make x the subject of the formula:

$$8x - 5 = p - xd$$

Expand and simplify: $(2x-3)(2x+3)(x+7)$

$f(x) = 7x-4$ and $g(x) = x^2 - 3$

Find: $fg(x)$

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

Score ____ / 6

www.accessmaths.co.uk