

Starting Six

Solve the equation: $7x + 2 = 3x + 14$

Solve the pair of simultaneous equations:

$$3x + 5y = 2$$

$$7x - 3y = 34$$

Simplify the algebraic fraction:

$$\frac{x^2 - 2x - 3}{x^2 - 9}$$

Make x the subject of the formula:

$$xm + t = 4 - xr$$

Expand and simplify: $(x+3)(x+4)(x+1)$

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

Find: $gf(x)$

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

Starting Six

Solve the equation: $7x + 2 = 3x + 14$

Solve the pair of simultaneous equations:

$$3x + 5y = 2$$

$$7x - 3y = 34$$

Simplify the algebraic fraction:

$$\frac{x^2 - 2x - 3}{x^2 - 9}$$

Make x the subject of the formula:

$$xm + t = 4 - xr$$

Expand and simplify: $(x+3)(x+4)(x+1)$

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

Find: $gf(x)$

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