Starting Six

Solve the equation: $4x + 6 = 10x - 9$

Solve the pair of simultaneous equations:

$$4x + 3y = 4$$
$$3x - 2y = -14$$

Simplify the algebraic fraction:

$$\frac{2x^2 + 11x - 63}{x^2 - 81}$$

Make x the subject of the formula:

$$5x - 2p = yp - xm$$

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

$f(x) = 9x-5$ and $g(x) = x^2 + 11$

Find: $gf(x)$

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

Score _____ / 6

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