

Starting Six

What is the co-ordinate for the turning point of $y = x^2 - 6x + 15$

Solve these simultaneous equations:

$$4x + 6y = -6$$

$$7x + 5y = 0.5$$

Simplify the algebraic fraction:

$$\frac{2x^2 + 25x + 12}{x^2 - 144}$$

Make x the subject of the formula:

$$w = \frac{4k - xd}{2x + m}$$

Prove algebraically that the difference between the squares of any two consecutive integers is the same as the sum of those integers.

$$f(x) = 2x^2 \text{ and } g(x) = \frac{1}{x-5}$$

Find: $gf(3)$

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

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