

DRILL PAPER FROM SARAWAK TRIAL EXAM FEBUARY 2010

Question

Given $hf: x \rightarrow 5x + 7$ and $f(x) = 3x + 1$, find

a) The value of $h(x)$

b) $h^{-1}(x)$

Question

A quadratic equation has the equation of $g(x) = 3x^2 + k(2x + 5) = 0$ has two real roots. Find the value of 'k'

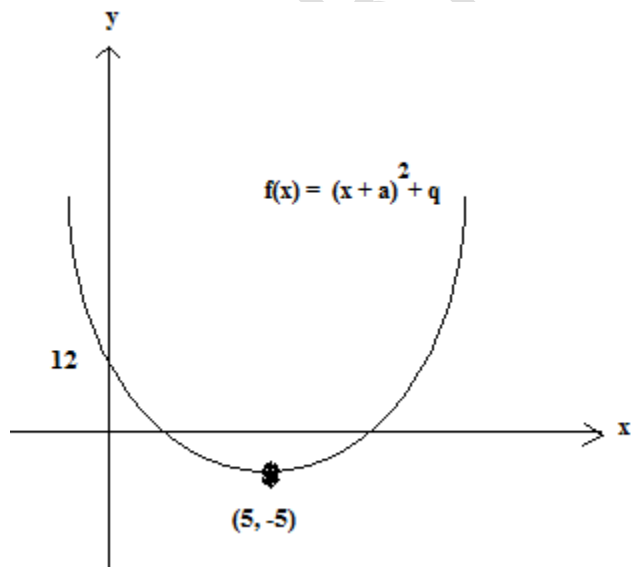
Question

Given that $2x^2 + 4x - 15 = 0$ has two roots α and β , find a new equation if the roots of the equation is $\frac{1}{\alpha}$ and $\frac{1}{\beta}$.

Question

Given the quadratic equation below, find the maximum or minimum point using squaring method
 $y = 2x^2 + 7x - 10$

Question



Find the value of 'a' and 'q' from the diagram on the left