



Factorise $6x^2 + 13x + 6$

$$f(x) = 4x + 3$$

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

A bag contains 4 red sweets and 5 green sweets.
Kelly removes 3 sweets, one at a time, without replacement.

Find the probability that she does not choose 3 sweets that are the same colour.

Calculate an estimate of the interquartile range

Time taken	Frequency
$0 < t \leq 10$	135
$10 < t \leq 20$	244
$20 < t \leq 30$	555
$30 < t \leq 50$	106
$50 < t \leq 100$	20

Find the shortest possible distance between the line $y = 3x + 5$ and the origin.