



Solve $2x^2 - 7x + 3 < 0$

Shown below is the time taken to deliver 128 meals from a restaurant.

Time, x mins	Frequency
$10 \leq x < 30$	90
$30 \leq x < y$	25
$y \leq x < 120$	13

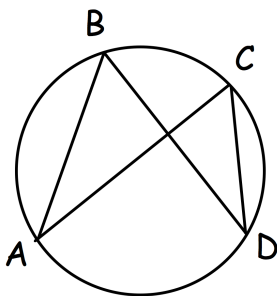
Erin drew a histogram to represent the information.

The frequency density for the second group was five times larger than for the third group.

Find y

Two customers are chosen at random. Find the probability that both received their meals in under 30 minutes.

Prove that the sum of the squares of 3 consecutive positive integers is always 1 less than a multiple of 3.



Prove the angles in the same segment are equal.