The pressure of a tyre is 32 pounds per square inch.

Given 1 pound = 0.4536 kilograms
1 inch = 2.54 centimetres

Work out the pressure in grams per square centimetre.

Given \((x + a)^2(x - 2) = x^3 + bx^2 + 12x - 72\)

Find \(a\) and \(b\)

Find the area of the segment

Two students are selected at random
Calculate the probability that the two students study different subjects.

The first 4 terms of a sequence are:
800, 790, 775, 755, ...

Which term is the first to be negative?