

5th March

Corbettmaths

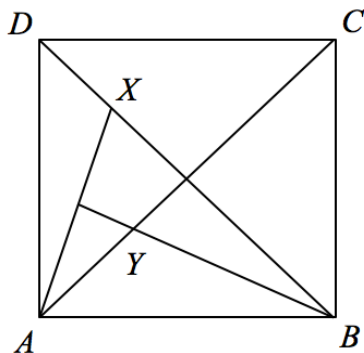
A circle has the equation $x^2 + y^2 = 121$

Find the area of the circle.
Give your answer in terms of π

C is inversely proportional to the square of A.

When $A = 3$, $C = 10$. Find the value of A when $C = 5$.

Write $0.2\dot{5}\dot{3}$ as a fraction



ABCD is a square, X is a point in the diagonal BD and the perpendicular from B to AX meets AC in Y.

Prove that triangles AXD and AYB are congruent.