Corbettm𝛼ths

Here are the first and third terms of a Fibonacci-type sequence

d __ e __ __ __

Work out an expression in terms of d and e for the fifth term

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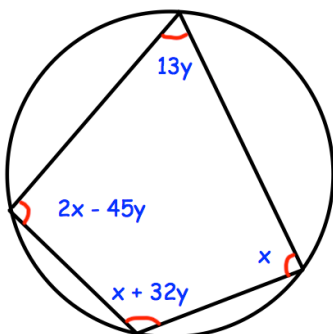A full fish tank has sprung a leak, at the base of the tank. 5% of the water is lost every minute.

How much water is lost from the tank after ten minutes?

Solve $x^2 - 9x - 11 = 0$
giving your answers to 1 decimal place.

Liquid A has a density of 0.85g/cm³
Liquid B has a density of 1.2g/cm³

200g of liquid A and 30g of liquid B are mixed for make liquid C.

Work out the density of liquid C.

13y

2x - 45y

x

x + 32y

Find x and y