



Matt invests some money at 5% compound interest per annum for four years.

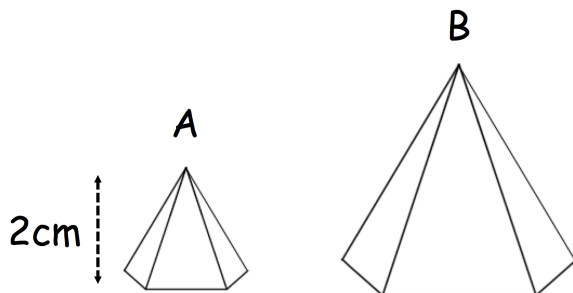
After four years, Matt has £48620.25 in the bank.

How much did he invest originally?

Solve

$$\frac{2}{3}x - 3y = 7$$

$$\frac{1}{2}x - 7y = 10$$



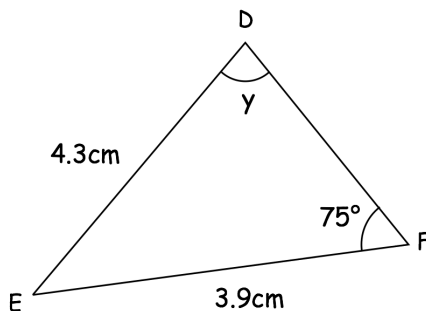
Two pyramids are mathematically similar.

Pyramid A has a surface area of 20cm^2

Pyramid B has a surface area of 320cm^2

The height of pyramid A is 2cm

Work out the height of pyramid B.



Find y .

Solve

$$6y^2 + 17y - 39 = 0$$