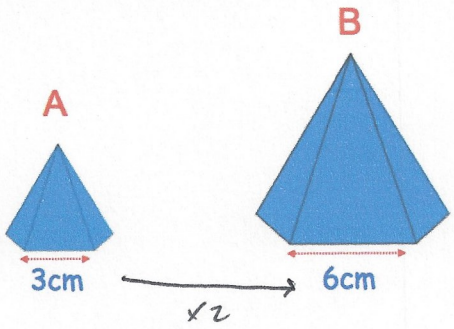
Name: _____ 5-a-day Higher

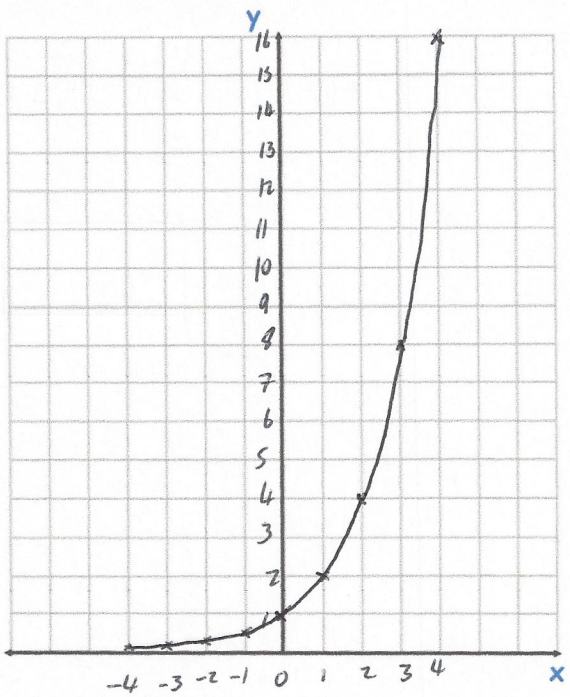
23rd October

Corbettmaths



Shown are two similar pyramids.
Pyramid A has a volume of 26cm³
Work out the volume of Pyramid B.

$26 \times 2^3 = 208 cm^3$



Draw the graph of

$y = 2^x$

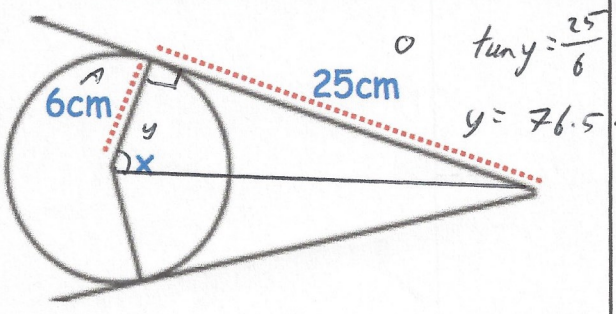
for values of x from –4 to 4

x	-4	-3	-2	-1	0
y	1/16	1/8	1/4	1/2	1

x	1	2	3	4
y	2	4	8	16

Write down the equation of the line that is perpendicular to y = ½x + 3 and passes through (0, –4)

$y = -2x - 4$



$\tan y = \frac{25}{6}$

$y = 76.5...$

Shown is a circle, two tangents and two radii.

Find the size of the angle marked x.

$x = 153°$