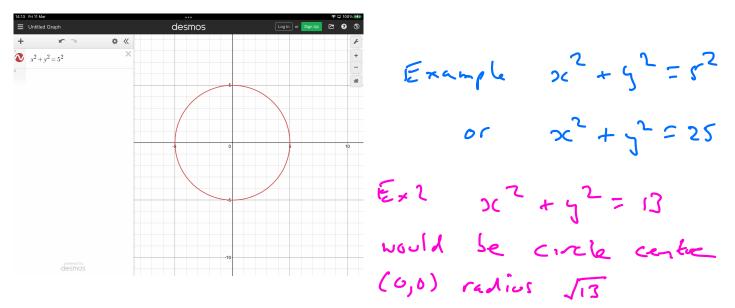
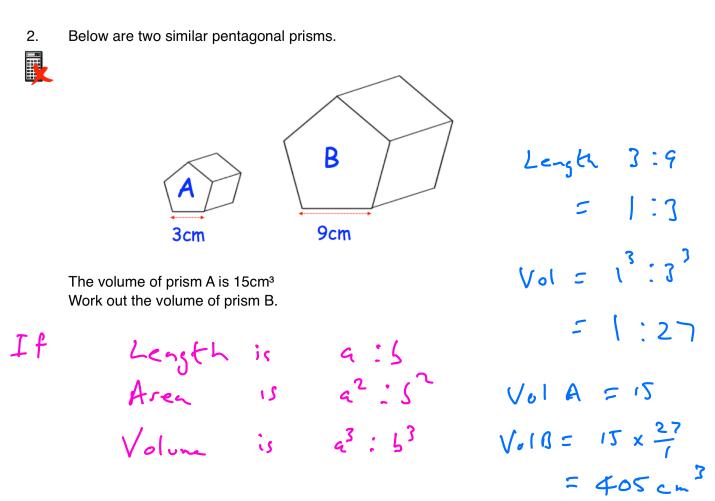
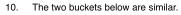
## 11CMN Cramming Lesson Eqn of Circle

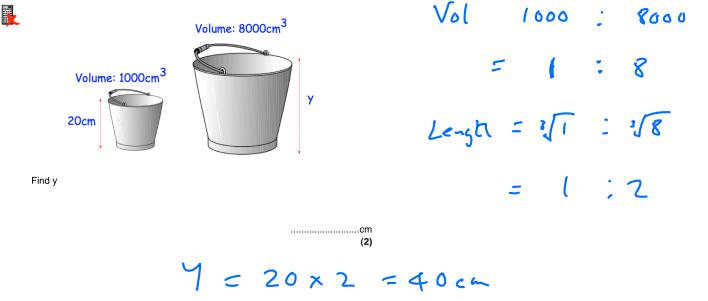
Equation of circle radius r centred on the osigin is  $x^2 + y^2 = r^2$ 



## Similar Area and Volume







## Density

70g of compound A has a volume of 100cm<sup>3</sup> Use SOS of compound B which has a density of 8g/cm<sup>3</sup> Use SOch<sup>3</sup> of compand C which has a density of a s/cm<sup>3</sup> What is the density of these 3 mixed together. Average Density = <u>Total Mars</u> Total Volvine

	Denrity	Moos	$\bigvee_{\mathcal{S}}$ I
A		70g	100 cm 3
ß	85/cm3	Sog	6.25 cm <sup>3</sup>
C	45/cm3	2005	50 cm 3
101	AL	3505	156.25 cm3
$\mathcal{D} = \frac{1}{N}$	M F	for G v	$=\frac{1}{1}=\frac{10}{8}=6.25$
V = W	V V		= Dxv = 4×50 = 200g
v = M	Average		= Total Mass Total Voi
		= 3	$\frac{20}{.25}$ = 2-048 g/c <sup>2</sup>
If We mix 80g of C with density 5 g/cm <sup>3</sup>			
with 100 cm of D with density 10g/cm3			
what is the average density of the compound			
	Density	Mass	ر م ر
<	55/ cm3		16 cm <sup>3</sup>
	105/c-3		100 623
		10805	116 cm3

Auge Density = 
$$\frac{\text{Tot right}}{\text{Tot vol}} = \frac{1080}{116}$$
  
= 9.31 g/cm<sup>3</sup>

## Estimation

Find and estimate for  

$$\frac{38.3 \times 19.2}{18.4} = \frac{40 \times 20}{30}$$
  
 $= 40$ 

The catcl question  

$$Ex2 \qquad \frac{39.2 \times 9.9}{0.4} = \frac{40 \times 10}{0.4}$$

$$= \frac{400}{0.4} = \frac{4000}{4}$$

$$G \div 3 = 2$$

$$G \circ \div 30 = 2$$

$$G \circ \div 300 = 2$$

$$G \circ \div 300 = 2$$

$$G \circ \circ \div 300 = 2$$

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