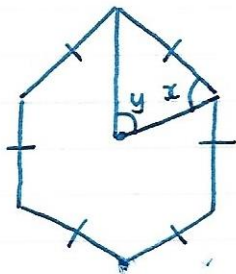


Yr II: Revision 1 : NO CALCULATOR

① Express 504 as a product of prime factors in index form

② Find the Highest Common Factor of 504 and 30

③ The diagram shows a regular hexagon.



Calculate angles x and y

④ If $x = -2$ $y = -3$ $c = 4$

find the value of

a) $x^2 - 2c$

b) $(3y)^2$

c) $3y^2$

⑤ Estimate answers to these

a) $\frac{401 \times 79}{21.2}$

b) $\frac{61.2 \times 2.1^2}{0.11}$

⑥ Cost Price of item is £400.
Sold for 45% loss.
Calculate selling price.

⑦ Cost Price of item is £240
Sold for £300.
Calculate the % profit.

⑧ Write a measurement of

a) 520kg to the nearest 10kg, as its greatest possible value

b) 32cm to the nearest cm, as its least possible value

c) 175 cl to the nearest 25 cl, as its least possible value

d) 380 miles to the nearest 20 miles, as its greatest possible value.