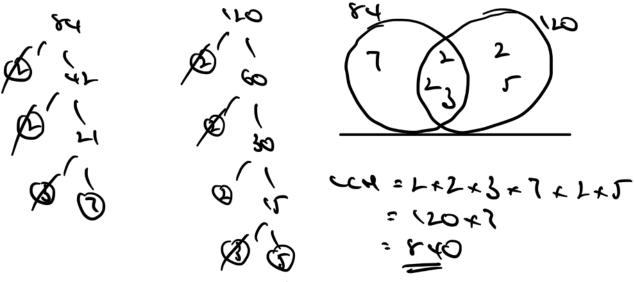
Non Calculator

1. $6x^2 = 384$. Find the value of x.

-	64
2	8
	2

2. Find the lowest common multiple (LCM) of 84 and 120.

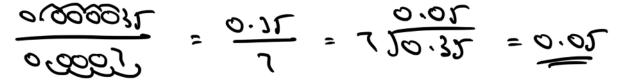


3. A team of road workers can resurface $\frac{5}{6}$ km of a road each day. How many days will ittake to resurface a road of length 30km?(3 marks)



4. Work out the value of $0.000035 \div 0.0007$

(2 marks)





(2 marks)



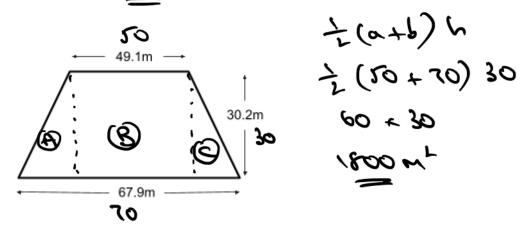
(3 marks)

Non Calculator

5. A farmer has a field in the shape of a trapezium as shown.

(a) Work out an estimate for the area of the field.

(3 marks)



(b) Is your answer an overestimate or underestimate? Give a reason for your answer.

tyes as , ge believes is there Diere vo (1 mark) 20,2 rand labour 1.06

9.249 × 100

(2 marks)

6.740 × 101

6. Work out, giving your answers in standard form (a) $4.6 \times 10^3 + 6.7 \times 10^5$

(2 marks)

(1 mark)

4600

(b) $9.8 \times 10^6 - 5.1 \times 10^4$

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9,2,49,0,00,

51000

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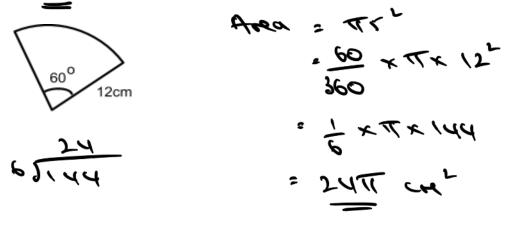
7. Write down $\frac{2}{11}$ as a recurring decimal.

67.460

Non Calculator



8. Work out the area of the sector of the circle radius 12cm shown. Give your answer in terms of π , in its simplest form . (3 marks)



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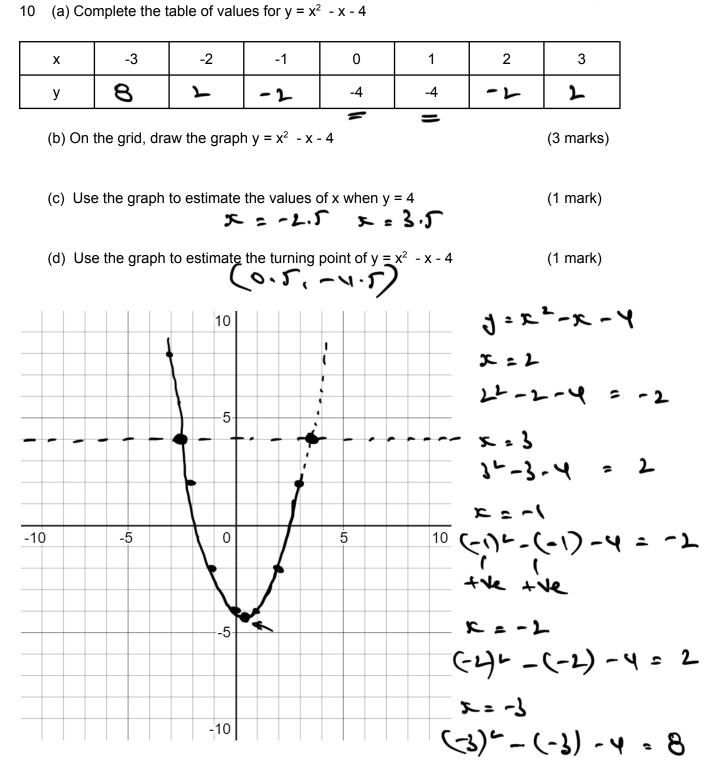
9. Find the equation of the straight line which passes through the points (3,2) and (6,11) (3 marks)

$$y = Mx + c$$

 $y = 3x + c$
 $x_{L-x_{1}}$
 $y = 3(6) + c$
 $= \frac{11 - L}{6 - J}$
 $= \frac{9}{J} = 3$
 $y = 3x - 7$
 $= \frac{9}{J} = 3$

Non Calculator

 $f_{\rm c}$ the table of values for $v = v^2 - v = 4$



(Total 30 marks)