

#abitofmathseveryday Calculate the Calculate the length of this semi-interquartile minor arc

Factorise...

 $5n^2 - 2n - 3$

A function is

defined as

 $f(x) = x^2 - 4x$

August National 5 Maths Calendar

Find the equation of the line passing following data set ... through (-1, 3) and (2, -6).

3 Calculate terms of f, a and h. Write the following Express the in it's simplest following with index a rational

101, 98, 92, 97, 91, 95, 96, 90 12 Solve the 13 following equation... $2x - 3 = \frac{x + 23}{}$

range of the

gradient and the y-intercept of the following equation... 5x + 9y = 1819 Express this fraction in

Determine the

Evaluate...

14 Calculate the size Change the of the missing subject of the angle... formula to b... 85 mm 73 mm a = -+d90 mm For this cuboid, 20 calculate the length

 $48 \cdot 1$ cm

form...

 $\chi \overline{3} \times \chi \overline{3}$

 χ^2

26 _{29 · 1 cm}

Determine whether

this triangle is

right angled...

16 Solve the equation $4 \tan x^{\circ} + 7 = 6$ for 0 < x < 360.

9 m

A jeep is bought

for £36 000.

depreciates at a rate of 9%

the jeep after 2 years. 🚎

The value of the caravan

for the first year and 2%

in the second year.

Calculate the value of

60°

(take

3.14)...

π ας

11

What

sizes

of p

and q?

are the

Write the following in the form... $(x + a)^2 + b$. $x^2 - 14x + 9$

it's simplest form... 3w + 15 $w^2 - 3w - 40$

21 Multiply out the following of the space diagonal. brackets and simplify...

denominator

and simplify

if required...

Calculate the 22 equation of the line of best A(50, 120)

fit.

Find the coordinates of the turning point of the parabola with equation...

Find f(-5).

24 A laptop computer is reduced by 10% in the summer sales and now costs £252. How much did it cost before the sale started?

30

 $2u^3$

15

Calculate the missing volume...

 $(3x-4)(x^2-8x-9)$ 27 $64 \cdot 7 cm$ Calculate the standard deviation of the

2, 9, 12, 29

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Solve following data $2x^2 + 7x - 8 = 0$ giving your solutions

to 1 decimal place...

 $v = x^2 - 4x - 60$ Solve the following system of equations... 10x + 3y = 195x + 2y = 1

Divide the following fractions...

The volume of this cone is 7234.56 cm3. Calculate it's radius...