

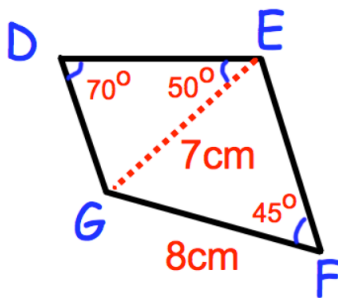
11th April

Corbettmaths

Charlotte invests £5000.
The bank pays 10% interest for the first year and then $y\%$ every year after that.
After three years, Charlotte has £5610.55
Calculate y .

The distance between the points $(-3, -4)$ and $(q, 5)$ is 15.
Find the value of q .

Use completing the square to find the equation of the line of symmetry of the curve $y = x^2 + 8x + 5$



Calculate the area of quadrilateral DEFG

Find the exact values of w

$$3^{w^2} = 9 \times 27^{w+5}$$