



The curve A with equation $y = f(x)$ is transformed to curve B with equation $y = f(-x) + 1$

The point on A with coordinates (4, 5) is mapped to the point P on B

Find the coordinates of P

The straight line L has the equation $4y = 3x + 5$
The point A has coordinates (2, -8)

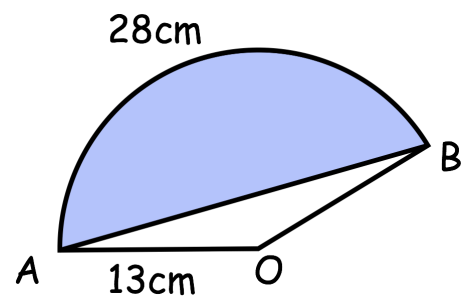
Find an equation of the straight line that is perpendicular to L and passing through A

2 2 2 3 4 5 6 7 7 9

Tia picks three cards at random, without replacement. She adds the three numbers together to get a score.

Find the probability that the score is an odd number.

OA = 13cm and the arc AB = 28cm
Find the area of the shaded segment



Solve

$$(1 - x)^2 > \frac{4}{49}$$