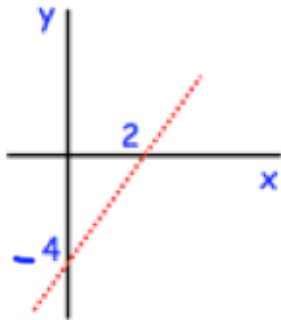


5th July

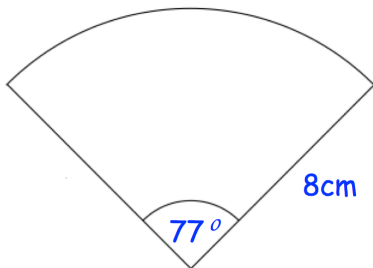


Corbettmaths

What is the probability of rolling a six, three times in a row on an ordinary dice?



Find the equation of the red line.



Find the area of the sector

Plank A

Volume =  $750\text{cm}^3$   
Mass = 900g

Plank B

Volume =  $0.0152\text{m}^3$   
Mass = 7.6kg

Plank C

Volume =  $1000\text{cm}^3$   
Mass = 1.02kg

Mr. Dixon is building a toy boat for his son. He has three different planks of wood to choose from.

If wood has a density under  $1\text{g/cm}^3$ , it will float.

Which plank of wood is the most suitable?

Explain your answer.