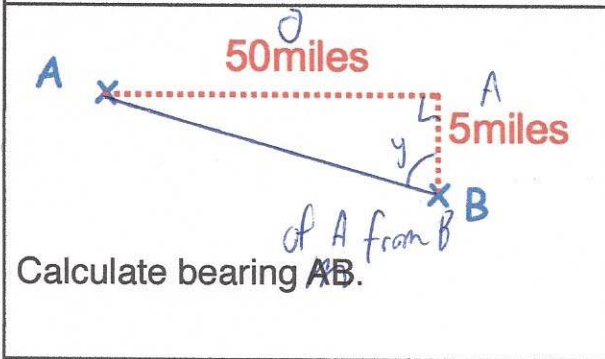


2nd February



Corbettmaths

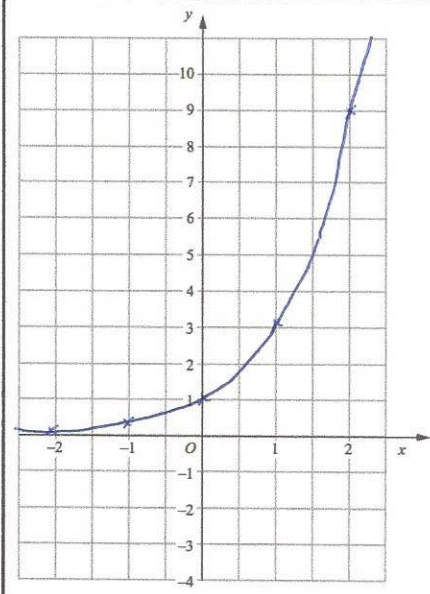


$$\tan y = \frac{50}{5}$$

$$y = \tan^{-1} \frac{50}{5} = 84.289^\circ$$

$$360 - 84.289 = \text{~~275.71~~}$$

$$\underline{\underline{275.7^\circ}}$$



Complete the table of values for

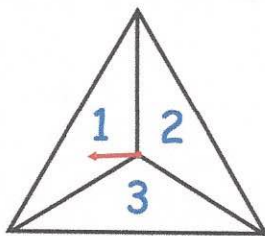
$$y = 3^x$$

x	-2	-1	0	1	2
y	$\frac{1}{9}$	$\frac{1}{3}$	1	3	9

Draw the graph of

$$y = 3^x$$

for values of x from -2 to 2

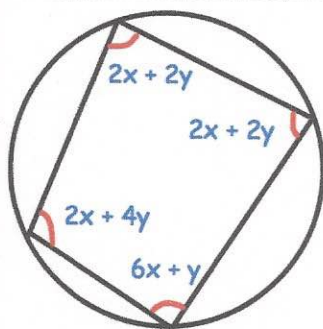


The spinner is spun twice.

A score is found by adding the two numbers together.

Find the probability of a score of 6

$$P(6) = P(3 \text{ and } 3) = \frac{1}{3} \times \frac{1}{3} = \frac{1}{9}$$



Find x and y

$$\begin{aligned} 4x + 6y &= 180 & 60 + 6y &= 180 \\ 8x + 3y &= 180 & 6y &= 120 \\ & & y &= 20 \\ \hline 16x + 6y &= 360 \\ \text{sub } 4x + 6y &= 180 \\ \hline 12x &= 180 \\ x &= 15^\circ & y &= 20^\circ \end{aligned}$$