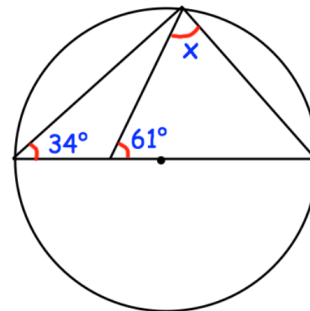




Three fair six sided dice are rolled.

Work out the probability of three even numbers.

Work out the value of  $x$

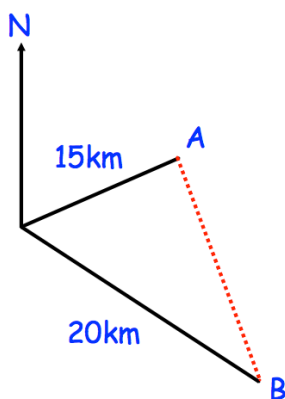


Simplify

$$\frac{x^2 + 6x + 9}{x^2 - 2x - 15}$$

Helicopter A traveled 15km on a bearing of  $060^\circ$

Helicopter B traveled 20km on a bearing of  $150^\circ$



Calculate the distance between A and B.

The pilot of helicopter B wants to return to the starting point.

What bearing should she take?