

2nd July

Higher 5-a-day



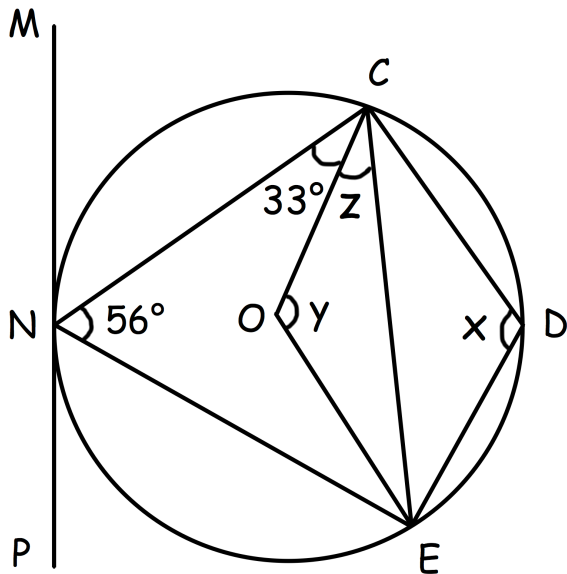
Corbettmaths

Use the quadratic formula to solve $3x^2 + 2x - 7 = 0$

Give your solutions correct to 2 significant figures.

A block of ice loses 10% of its volume each minute.

What percentage will be left after 5 minutes?



Work out angle CDE, labelled x.

Work out angle COE, labelled y.

C, D, E and N are points on a circle with centre O.

MNP is a tangent to the circle.

Angle CNE is 56° and angle OCN is 33°

Work out angle OCE, labelled z.