

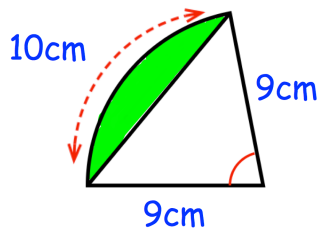


The first 4 terms of a sequence are:
400, 390, 375, 355 ...

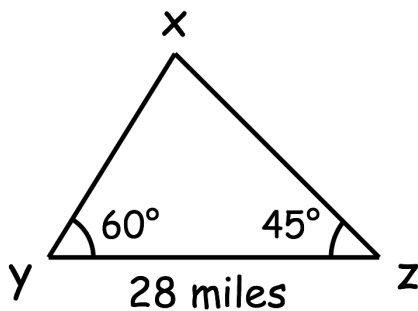
Which term is the first to be negative?

Express $(5 - \sqrt{2})^2$ in the form $a + b\sqrt{2}$, where a and b are integers to be found

Factorise $3x^2 - 17x + 10$



Calculate the area of the segment



How much closer is the boat, at point X, to the port at Y than the port at Z?