

10th June

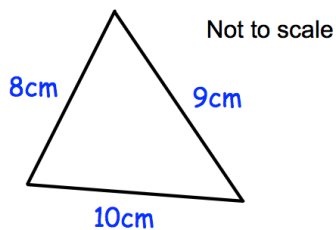
Corbettmaths

Prove $(2n + 1)(3n - 2) - (6n - 1)(n - 2)$
is always even

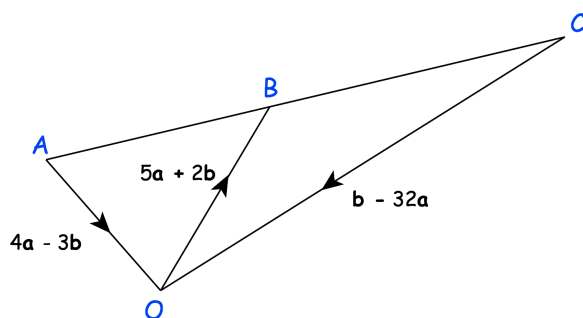
45 students were asked if they have
visited Canada, Mexico or the USA.

11 students had been to Canada
1 student had visited all three countries
2 students had visited Canada and
Mexico but not the USA.
3 students had visited Mexico and the
USA.
12 students had not visited any of the
countries.
6 out the 19 students who had visited
the USA, had been to at least one
of the other countries.
Two of the 45 students are chosen at
random.

Work out the probability that they both
had only visited Mexico



Find the area of the triangle.



Is ABC a straight line?
Explain your answer