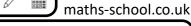
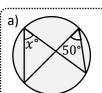
Circle theorems (Part 2)



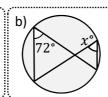
Calculate the value of \boldsymbol{x} in the circles :



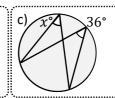


Name:

50°

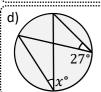


72°

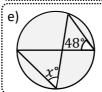


36°

Diagrams not drawn to scale



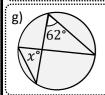
27°



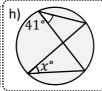
48°

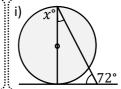


62°

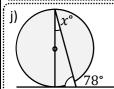


62°

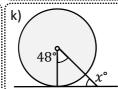




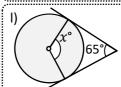
18°

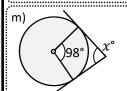


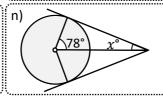
12°

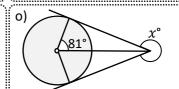


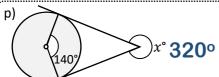
42°

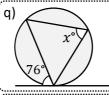




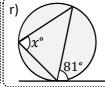




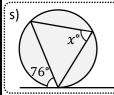




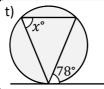
76°



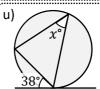
81°



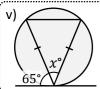
76°



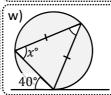
78°



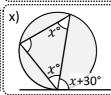
38°



50°



70°



50°

Exam question:

Points ABC lie on a circle such that ABC forms a triangle. C lies on EF such that EF is a tangent to the circle at C.

Calculate and justify the value of angle BCF (x)



