Calculating angles with circles

This task is about the angle between a tangent and a radius, and the sum of angles in a triangle and the sum of angles in a quadrilateral.

Complete the following sentences by finding the size of the marked angles.

In each case, justify your answer.

The centre of each circle is marked with a dot.

a)	u
	[Not drawn to scale]
Angle <i>t</i> = [°] because	Angle <i>u</i> =
b)	
	48°
	[Not drawn to scale]
Angles y + z = o	
Angle x = or because	
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