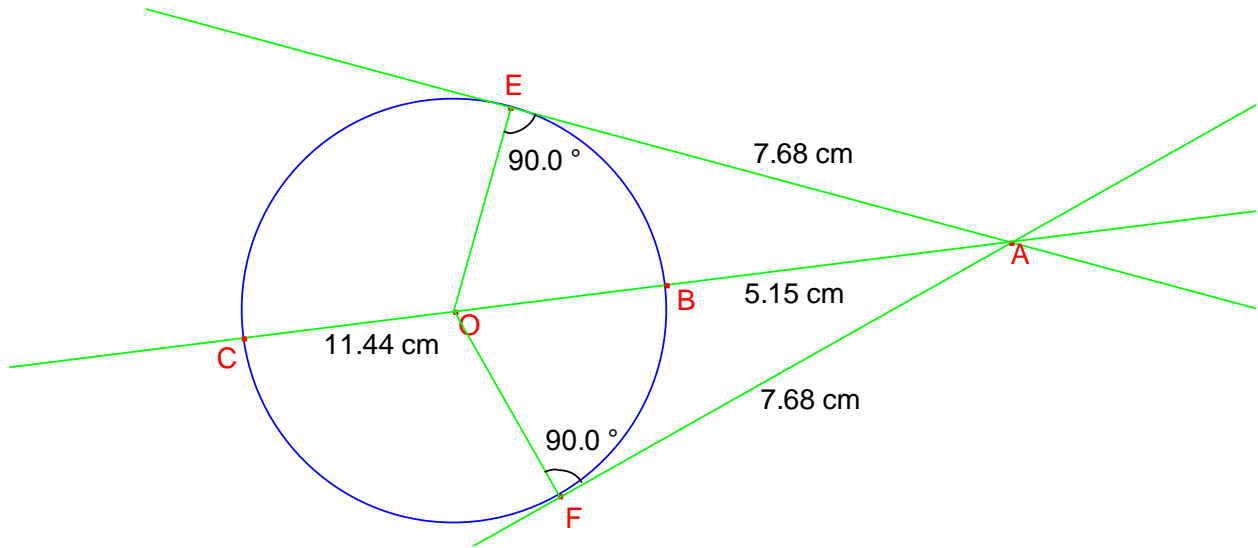


Tangent to a circle property



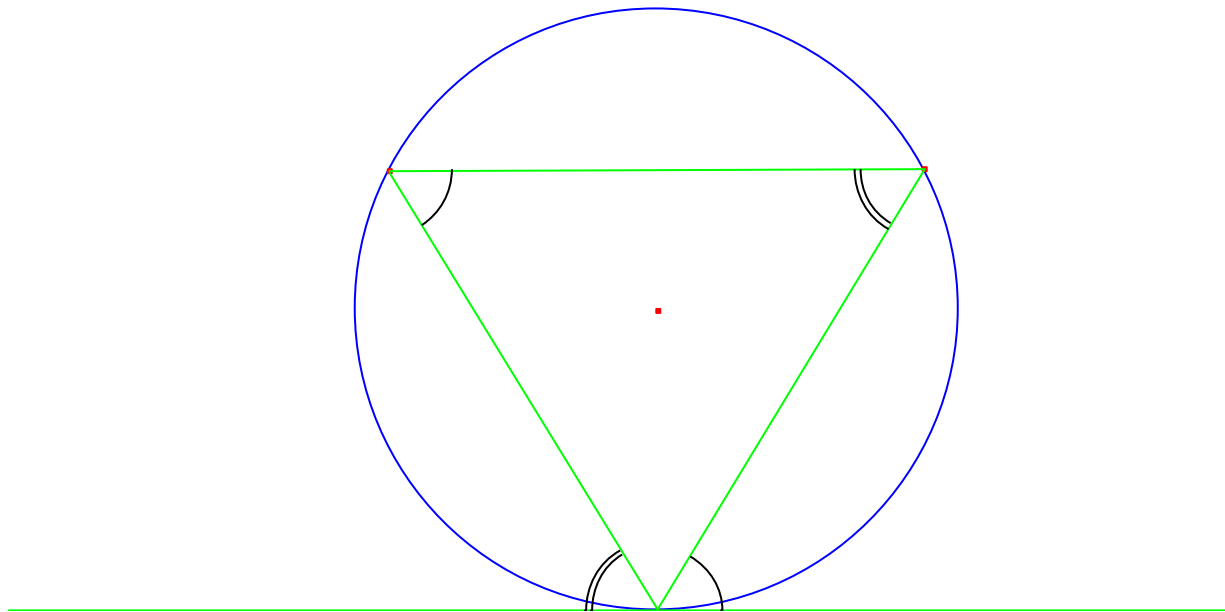
$$AB = 5.15 \text{ cm}$$

$$AC = 11.44 \text{ cm}$$

$$AE = AF = 7.68 \text{ cm}$$

Now check that $AE \times AF = AB \times AC$ (Note: due to measurement errors the equality is only approximate)

Alternate segment theorem



Fact: The angle between a tangent and a cord through the point of contact is equal to the angle subtended by the cord in the alternate segment.