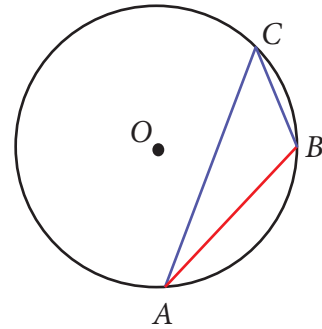


1. In class we proved one case of the invariance of angles in a circle (in Section 2.7). Prove the other case where the point  $O$  does not belong to the triangle  $ABC$ .



2. Explain how the diagram to the right “proves” the Pythagorean Theorem.
3. Stillwell 2.5.4
4. Stillwell 2.5.5
5. Stillwell 2.7.3
6. Stillwell 2.7.4

