

Find these famous theorems in Euclid's book 1. Next to each theorem, tell what Proposition it corresponds to or is a part of:

1. The sum of angles in a triangle is 180°
2. SSS congruence of triangles
3. ASA congruence of triangles
4. Vertical angles are equal
5. The Pythagorean theorem
6. If the alternate interior angles of a transversal line crossing two lines are congruent, then the lines are parallel.
7. The alternate interior angles of a transversal crossing two parallel lines are congruent.