
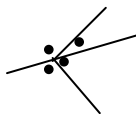
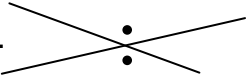
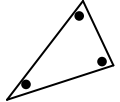

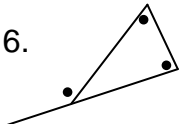
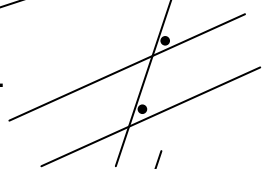
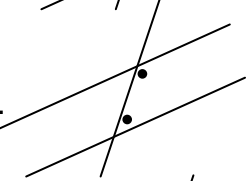
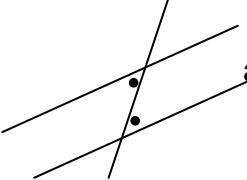
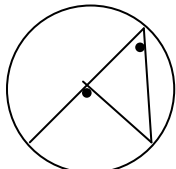
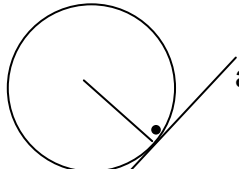
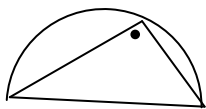


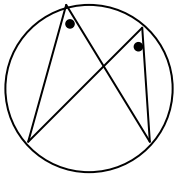
What the Mathematics Department accepts as correct geometric reasons:

1.  adjacent angles on a line add to 180° .
2.  angles at a point add to 360° .
3.  vertically opposite angles are equal.
4.  interior angles of a triangle add to 180° .
5.  base angles of an isosceles triangle are equal.
6.  exterior angle of triangle is equal to the sum of the opposite interior angles.
7.  corresponding angles on parallel lines are equal.
8.  co-interior angles on parallel lines add to 180° .
9.  alternate angles on parallel lines are equal.
10. exterior angles of a polygon add to 360° .
11. interior angles of a polygon add to $(n-2) \times 180^\circ$.
(or interior angles of a pentagon add to 540°etc).
12.  angle at the centre is equal to twice the angle at the circumference.
13.  angle between a radius and tangent is 90° .

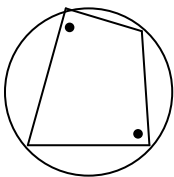
14. angle in a semicircle is 90° .



15. angles at the circumference in the same segment (subtended by a chord) are equal.



16. opposite angles in a cyclic quadrilateral add to 180° .



17. exterior angle of a cyclic quadrilateral is equal to the opposite interior angle.

