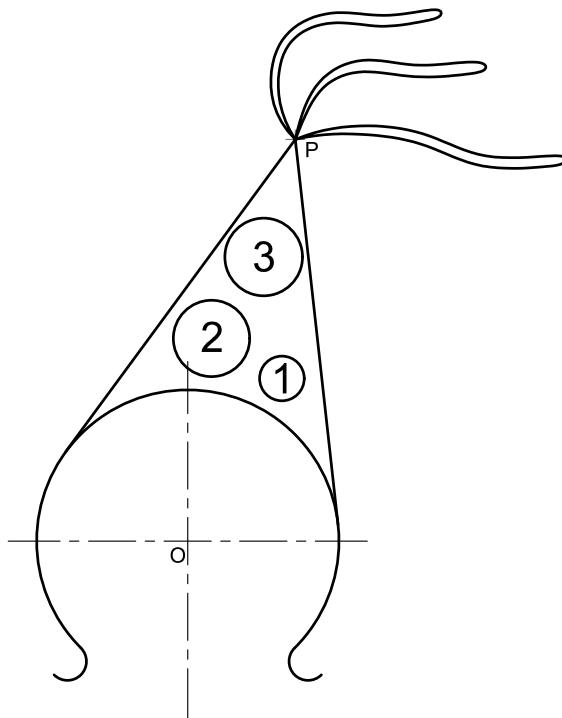
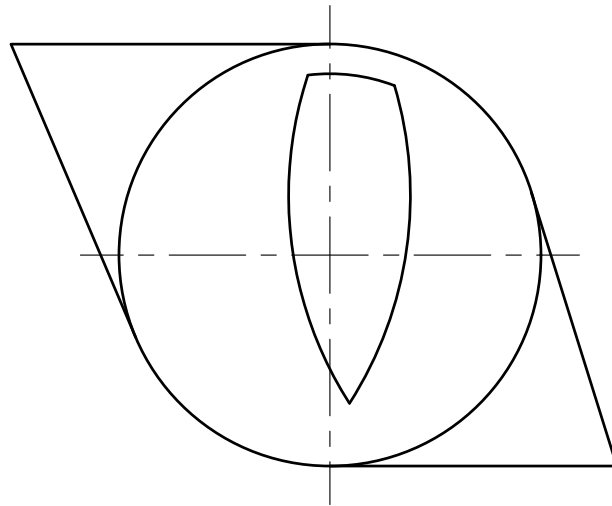


Tangent to a circle from a point

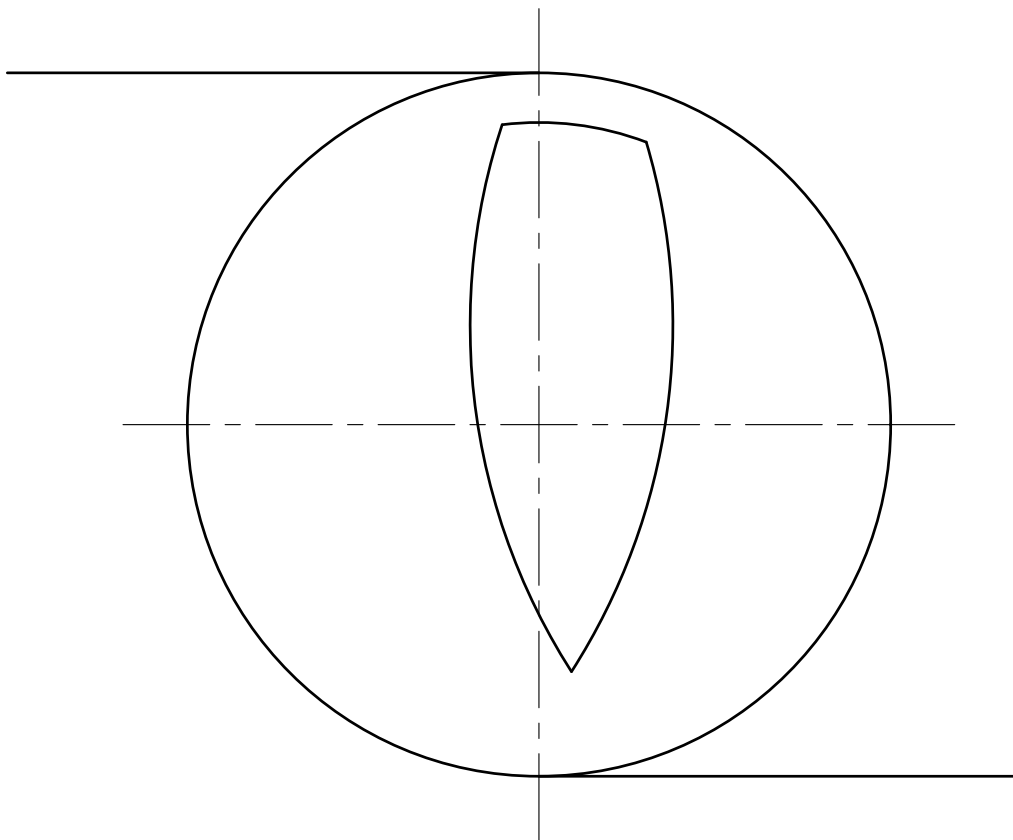
In these exercises you are required to draw tangents from a point to a given circle.



You can visit: <https://youtu.be/bnLtHwtEXXA> for a step by step video of the construction method.

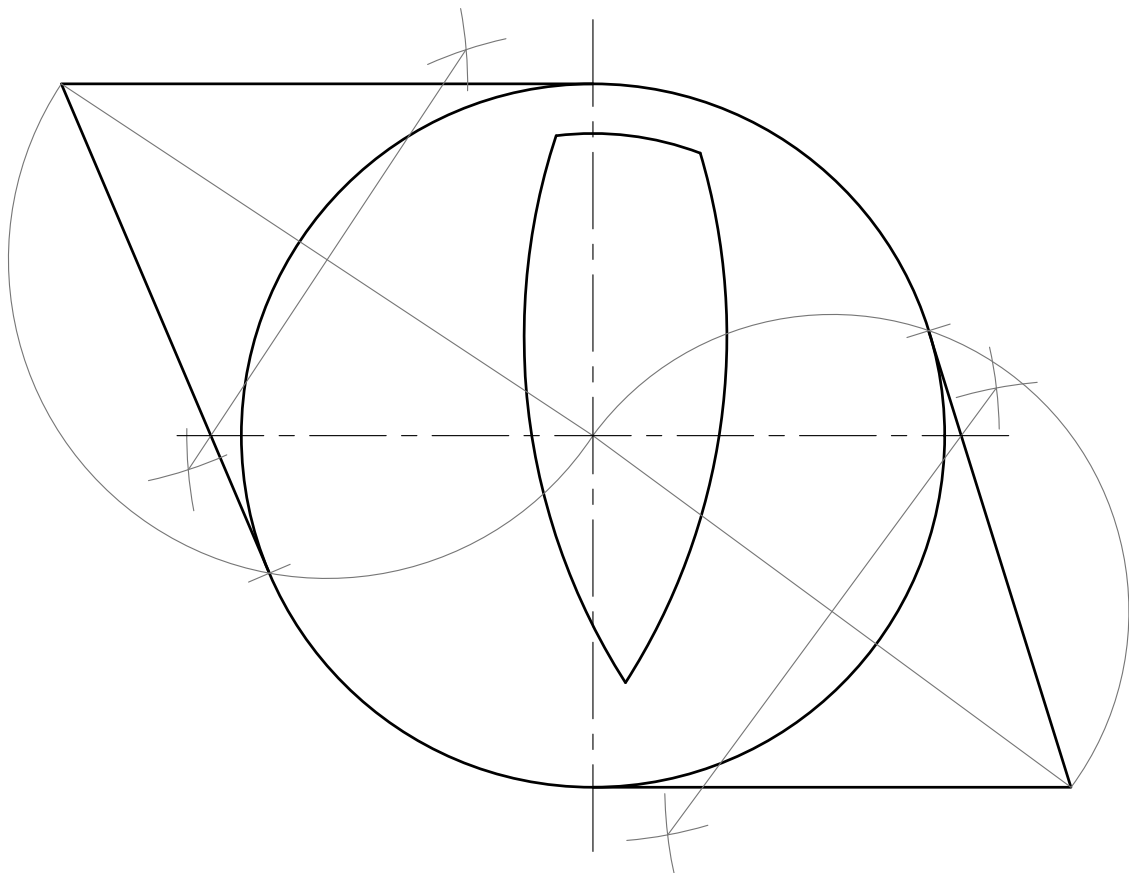
Tangent to a circle from a point - STARTER SHEET

A group of students at St Alfredo's College is organising a play inspired by the musical Cats. While making a poster for the event, they have found difficulty drawing the cat's eyes in the logo shown in the diagram. Help the students by drawing the tangent in the larger version of the eye provided. Mark off the point of tangency by a short dash.



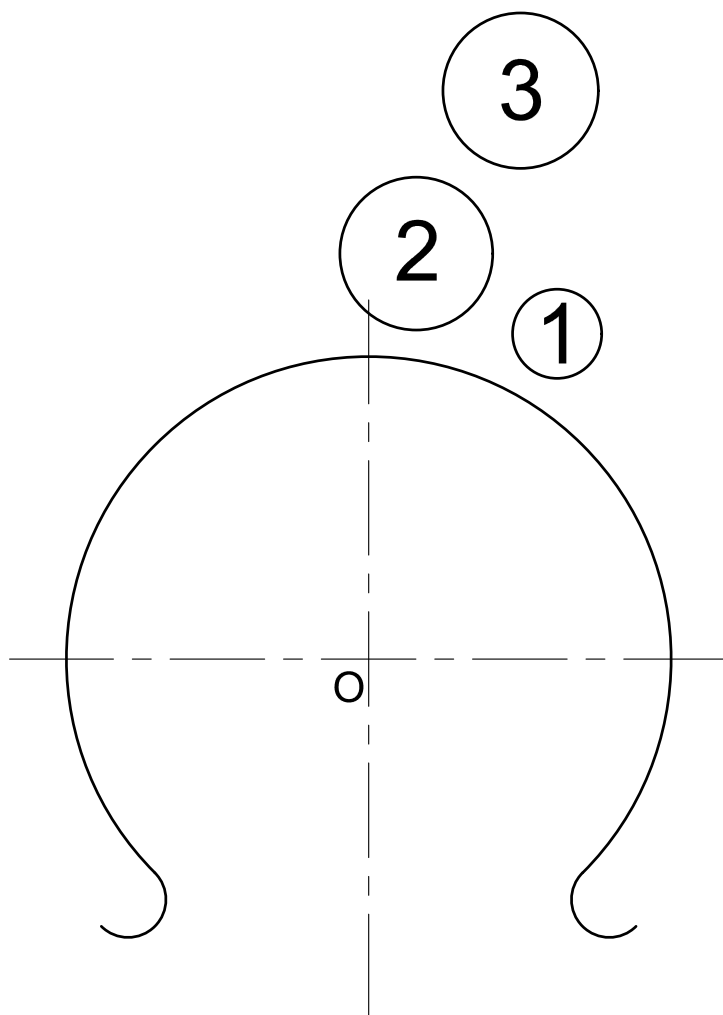
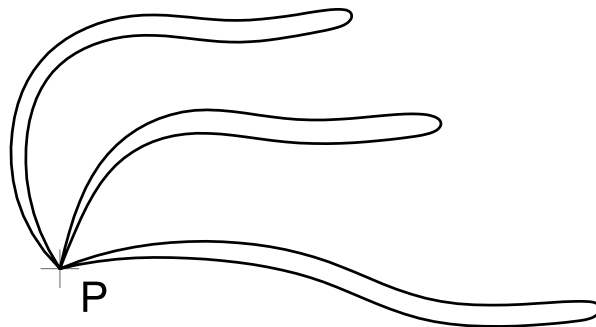
Tangent to a circle from a point - ANSWER SHEET

A group of students at St Alfredo's College is organising a play inspired by the musical Cats. While making a poster for the event, they have found difficulty drawing the cat's eyes in the logo shown in the diagram. Help the students by drawing the tangent in the larger version of the eye provided. Mark off the point of tangency by a short dash.



Tangent to a circle from a point - STARTER SHEET

Little Sera is having her birthday next week. As part of the celebrations you have decided to design a special party hat for her. This party hat design will be attached to a circular hair band. Since she is turning three you decided to add some decorations to the party hat that shows she will be three. To construct the party hat, you need to draw two tangents from point P to circle centre O.



Tangent to a circle from a point - ANSWER SHEET

Little Sera is having her birthday next week. As part of the celebrations you have decided to design a special party hat for her. This party hat design will be attached to a circular hair band. Since she is turning three you decided to add some decorations to the party hat that shows she will be three. To construct the party hat, you need to draw two tangents from point P to circle centre O.

