

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Period: \_\_\_\_

Mr. Valentino

Aim: How can I identify, create/construct tangents?

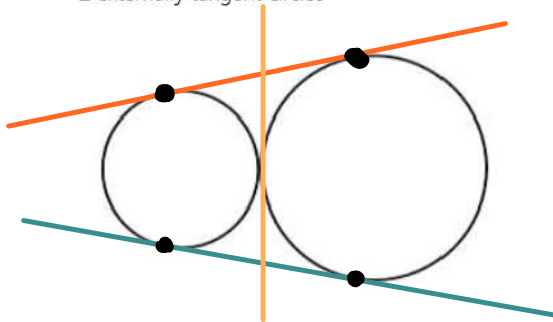


Do Now: What are some properties of tangents?

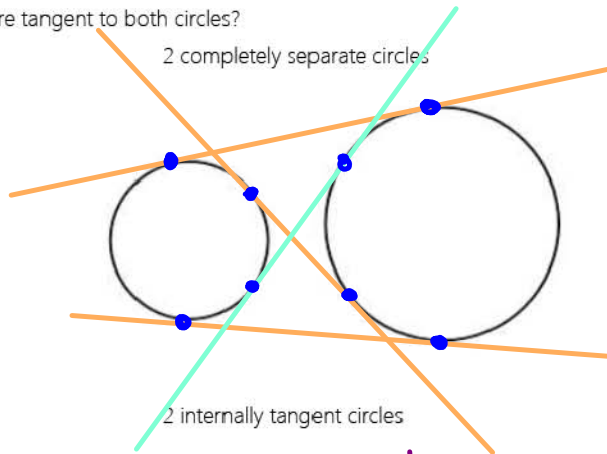
- Outside circle/on circle once
- Touches circle in one place

How many tangent lines can be drawn so that they are tangent to both circles?

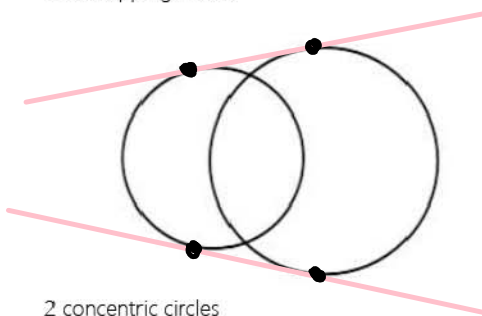
2 externally tangent circles



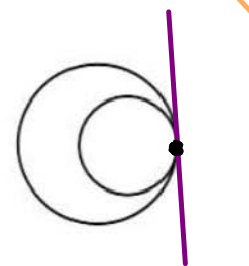
2 completely separate circles



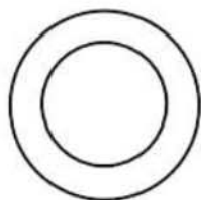
2 overlapping circles



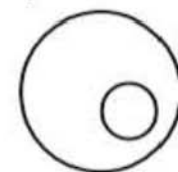
2 internally tangent circles



2 concentric circles



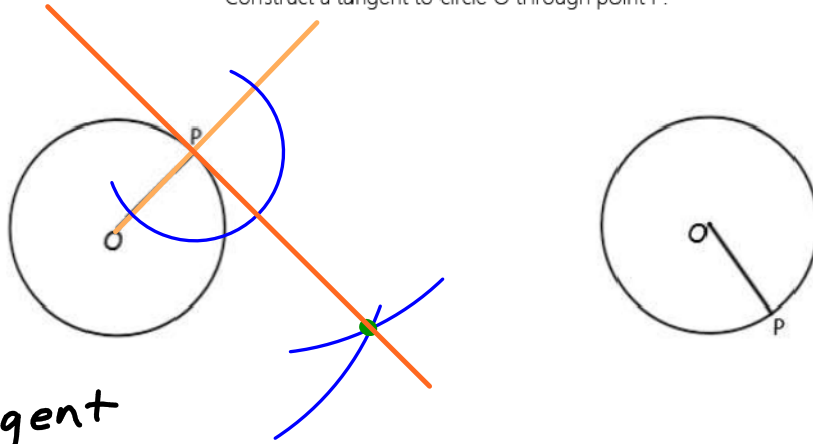
2 circles, one floating on the interior



NO  
← CAN  
DO →

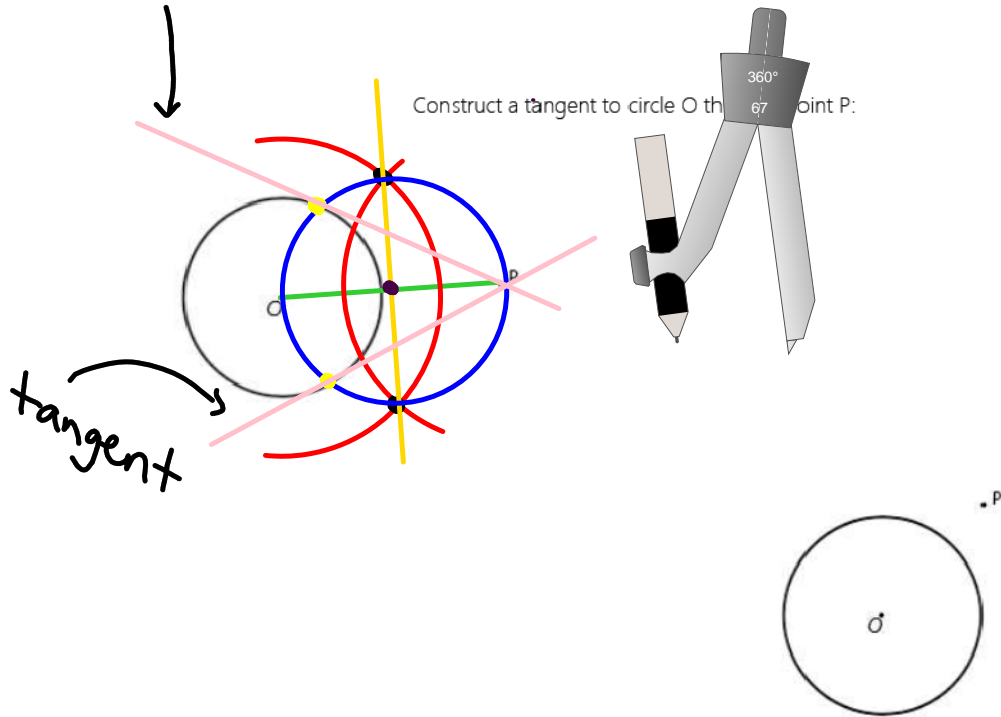
Constructing Tangents

Construct a tangent to circle O through point P:



tangent

Construct a tangent to circle O through point P:



tangent