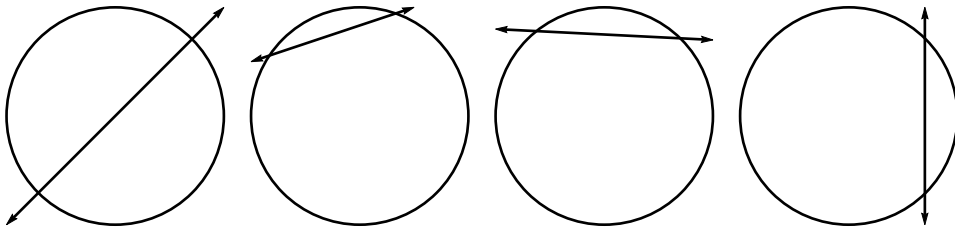
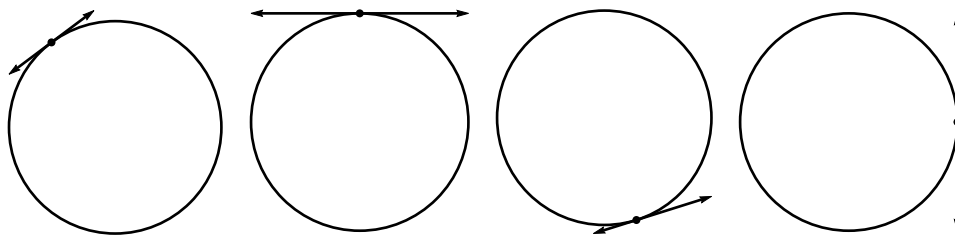


# Tangent Lines

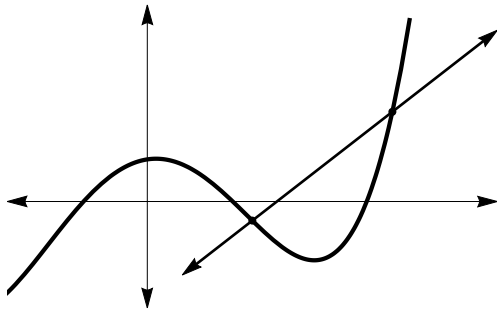
In Grade 11, you worked with circles, secant lines, and tangent lines. A secant line intersects a circle at two points, as shown below:



And a tangent line touches the circle at exactly one point:



For general curves, we can choose two points on the curve and draw a secant line that intersects the curve at those two points (it's also possible for this secant to also intersect the curve at other points as well):



For general curves, it is also possible to draw tangents at any point:

