

1.2 Calculating Tangents

the IROC at $x =$ is the slope of the tangent line

$$\lim_{x \rightarrow 2} \frac{f(a+h) - f(a)}{h}$$

determine the slope of tangent lines at a given point of a function

- solve for the slope of a tangent line at a given point of a simple polynomial function
- solve for the slope of a rational function
- solve for the slope of an irrational function
- solve for the line of a function

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