1. Find the slope of the tangent to $y=\sqrt{x^{2}-25}$ at $x=13$.
2. Determine the equation of the tangent to $y=\frac{5}{x-4}$ at $x=-6$.
3. Find the equation of the tangent line to $y=\frac{-4}{x^{2}+1}$ at the point $(1,-2)$.
4. Find the equation of the tangent line and the normal line to $f(x)=\sqrt{5-x}$ at the point $(1,2)$.
