Problem statement Suppose $f(x) = Ax + \frac{B}{x^2}$ where A and B are constants. Find values of A and B so that $y = 2x + 1$ is tangent to $y = f(x)$ when $x = -1$. Graph the resulting $f(x)$ and the tangent line together when $-4 \leq x \leq 2$ and $-6 \leq y \leq 4$.