Quiz 8. April 22, 09. Name

1. List the different materials that Frank Gehry uses in his structures and discuss how these materials impact his designs.

2. Consider $f(x) = \frac{1}{x}$. Use the *limit definition* of the derivative to show that $f'(x) = -\frac{1}{x^2}$.

3. Find a point P on the circle $x^2 + y^2 = 4$ with the property that the slope of the tangent line (to the circle) at P is $\frac{1}{2}$.