Math 176 Quiz 5 Version A

1. For the demand equation
$$x = -\frac{3}{2}p + 9$$
compute the elasticity of demand and determine whether the demand is elastic, unitary, or inelastic at the price p=2.

2. Suppose $f(x) = \sqrt{2 + 3x^2}$. Find $f'(x)$ and $f''(x)$.