

ECE-486 Spring 2009, Feb 6 Quiz

Name : _____

Find the time-domain sequence $x(n]$ associated with the given z-transform. Give the numerical values for $x(n]$ for $n = -2, -1, 0, 1, 2.$

$$X(z) = \frac{z^2}{(z - \frac{1}{2})(z - 1)} + z^2 + \frac{5}{z - 1} \quad \frac{1}{2} < |z| < 1$$