Determine the z-transforms of the following. Express your answer as the ratio of polynomials in z^{-1} . (a) $x_a[n] = 2(0.8)^n u[n]$.

PROBLEM:

(c) $x_b[n] = \delta[n] + u[n-1]$.

(b) $x_b[n] = 4(\frac{1}{2})^n u[n] - 2(\frac{1}{4})^{n-1} u[n-1].$