

DIGITAL SIGNAL PROCESSING

CHAPTER 7: FIR Filter Design

QUIZ 1 (10 Marks)

Name: _____

Date: _____

The transfer function of the system is described by the equation below. Draw the Direct Form structure realization of the system.

$$H(z) = 4(1 + 0.6z^{-1} - 0.5z^{-2})(1 - 0.25z^{-1} + 0.9z^{-2})$$

[10 Marks]

