

DIGITAL SIGNAL PROCESSING

CHAPTER 9: Discrete Fourier Transform (DFT)

QUIZ 1 (10 Marks)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

The discrete-time input signal,  $x(n)$  and its impulse response,  $h(n)$  is described the following sequences;

$$x(n) = \{1, -2, 3\} \quad h(n) = \{4, 3, 2\}$$

$\uparrow$                        $\uparrow$

Compute the Discrete Fourier Transform (DFT) of the output response,  $y(n)$ .

