Algebra 2 Ch. 2 Learning Target Quiz #1 & #2 Name Key Per ____

LT #1: Relations & Functions

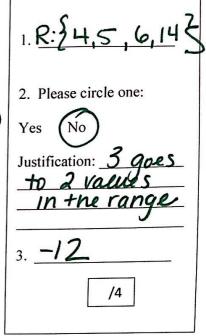
Use the following relation for questions 1 and 2: $\{(3,\underline{5}),(7,1\underline{4}),(2,\underline{4}),(3,\underline{6})\}$

- 1. What is the range of the relation above? (1 Point)
- 2. Is the relation a function? Justify your answer in sentence form. (2 Points)
- 3. Given $f(x) = -x^2 + 4x$, find f(-2). Show all work for credit. (1 Point)

$$f(-2) = -(-2)^{2} + 4(-2)$$

$$-4-8$$

$$-12$$



LT #2: Direct Variation

- 4. Is the equation xy=2 is an example of direct variation? (1 pt) $y = \frac{2}{x}$
- 5. If y varies directly as x, and y= -2 when x=1, find y if x= 5. Show all work for full credit. (3 Points)

