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| [Image result for quiz](https://www.google.com.au/imgres?imgurl=http://churchfieldsjunior.com/wp-content/uploads/2016/04/73621.jpg&imgrefurl=http://churchfieldsjunior.com/quiz-night/&docid=0TWZ1XmaB2M3GM&tbnid=Yd7kvqdc7hzNIM:&vet=10ahUKEwjgsue_q7jZAhWLurwKHdAtAhkQMwi6AigkMCQ..i&w=700&h=700&bih=963&biw=1920&q=quiz&ved=0ahUKEwjgsue_q7jZAhWLurwKHdAtAhkQMwi6AigkMCQ&iact=mrc&uact=8) | **Year 11 Methods**  **Week 3 Quiz** |  |

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

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| 1. | True or False: A relation is a function. | **1** |
| 2. | Which of the following is NOT a function?  A  y =  B  x = y 2 − 7y + 1 C  x2 − y + 1 = 0 D 3x − y − 1 = 0 | **1** |
| 3. | Which graph represents a function? | **1** |
| 4. | What is the domain of the function graphed below? | **1** |
| 5. | What is the range for the mapping below? | **4** |
| 6. | What is the range of the function f(x) = 5x + 4 when the domain is {-2, 3, 5} | **2** |
| 7. | If , then find: | **3** |
| 8. | The function f(x) = {(1, 2), (2, 4), (3, 6), (4, 8)} can be represented in several other ways. Which is NOT a correct representation of the function f(x)?   1. b) c) x is a natural number less than 5 & y is twice x   d) y = 2x and the domain is {1, 2, 3, 4} | **1** |
| 9. | Find the degree measure of the arc of a sector with area 36π if the area of the circle is 144π. | **3** |