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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. | Which statement is true?  MATHS11TT10089_UN01  A cos (θ) =  B cos (θ) =  C cos (θ) =  D cos (θ) =  E cos (θ) = | **1** |
| 2. | Which statement is NOT true?  A sin (180° − x) = sin (x) B sin (2π − x) = −sin (x) C sin (2π + x) = sin (x)  D sin (−x) = sin (x) E sin (180° + x) = −sin (x) | **1** |
| 3. | tan  =  A  B  C  D  E 1 | **1** |
| 4. | Convert the following to degrees.  a  b  c  d | **4** |
| 5. | Evaluate x correct to one decimal place.  MATHS11TT10089_UN04 | **3** |
| 6. | A sector is cut off by an angle of  subtended at the centre of a circle with radius 8.6 cm.  a Find the length of the arc cut off by this angle.  b Find the area of the sector. | **4** |
| 7. | Which degree is at point (-1, 0) ? | **1** |
| 8. | For which two angles is cosθ = ½ ? | **1** |