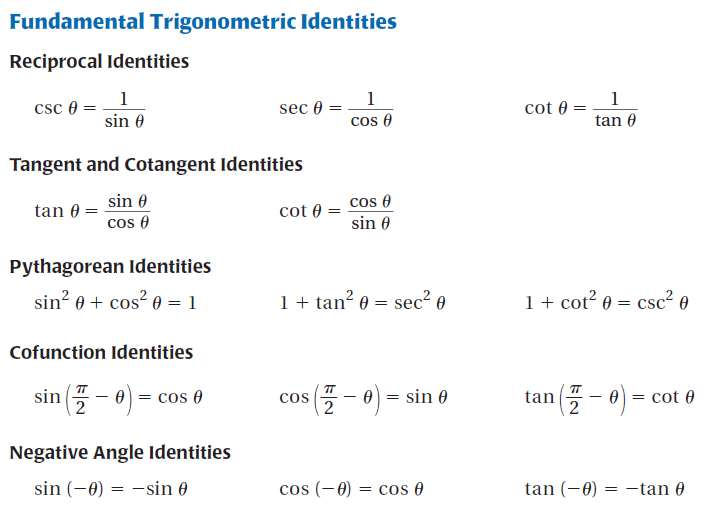
Pre-Calculus, Unit 4: Trig Identities Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

SIMPLIFYING and VERIFYING Trig Identities WS Date: \_\_\_\_\_\_\_\_\_\_\_\_\_



1. What does the cofunction identity tell you about the graphs of and

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Find the values of the other five trigonometric functions of** *θ***.** | | | | | |
| **2.** | MathTypeHolder.wmf | **3.** | MathTypeHolder.wmf | **4.** | MathTypeHolder.wmf |
|  |  |  |  |  |  |
| **Simplify the expression.** | | | | | |
| **5.** |  | **6.** |  | **7.** |  |
|  |  |  |  |  |  |
| **8.** |  | **9.** |  | **10.** |  |
|  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **11.** |  | **12.** |  | | | **13.** |  |
|  |  |  |  | | |  |  |
| **14.** |  | **15.** |  | | | **16.** |  |
|  |  |  |  | | |  |  |
| **Verify the identity.** | | | | | | | |
| **17.** |  | | | **18.** |  | | |
|  |  | | |  |  | | |
| **19.** |  | | | **20.** |  | | |
|  |  | | |  |  | | |