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Trig Identities

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| **Across**  **1.** 1 - sin^2(x)=  **2.** 2sin(u)cos(u)=  **7.** cot^2(x) + 1=  **8.** cos^2(x) - sin^2(x)=  **11.** sin(x)=  **12.** cos(u)cos(x) + sin(u)sin(v)=  **17.** sin(pi/2 -x)=  **19.** sec(-x)=  **21.** cos(u)cos(x) - sin(u)sin(v)=  **22.** sin(-x)=  **23.** sin(u)cos(v) + cos(u)sin(v)=  **24.** 1 + tan^2(x)=  **25.** sec(pi/2 -x)=  **26.** sin(u)cos(v) - cos(u)sin(v)=  **27.** cot(x)= | **Down**  **3.** tan(-x)=  **4.** cos(-x)=  **5.** tan(pi/2 -x)=  **6.** cos(x)=  **9.** sec(x)=  **10.** cot(-x)=  **13.** csc(x)=  **14.** tan(x)=  **15.** 2tan(x)/1 - tan^2(x)=  **16.** 2cos^2(x) - 1=  **18.** cos^2 + sin^2=  **20.** csc(-x)= |

   1/sin(x)       1/cos(x)       cos/sin       1/csc(x)       1/sec(x)       sin/cos       1       sec^2(x)       csc^2       cos(x)       cot(x)       csc(x)       -sin(x)       -csc(x)       cos(x)       sec(x)       -tan(x)       cot(x)       cos(u+v)       cos(u-v)       sin(u+v)       sin(u-v)       sin2(x)       cos2(x)       cos2(x)       cos2(x)       tan2(x)