_____ DATE _____ PERIOD ___ NAME **Practice** Reading **Graphing Other Trigonometric Functions** Technically, Find each value by referring to the graphs of the trigonometric connected by functions. of an equation **2.** $\cot\left(\frac{3\pi}{2}\right)$ 1. $\tan\left(-\frac{3\pi}{2}\right)$ coordinates a Practically s undefined 0 a word as a o value as a to 4. $\csc\left(-\frac{7\pi}{2}\right)$ **3.** sec 4π graph as a w 1 points, but a based on the deeper unde a. Read th Find the values of θ for which each equation is true. sense of **5.** tan $\theta = 0$ **6.** $\cot \theta = 0$ its chara graph sh $\frac{\pi}{2}n$, where *n* is an odd integer πn , where *n* is an integer In the re decrease 7. $\csc \theta = 1$ 8. sec $\theta = -1$ sine curv and valle $\frac{\pi}{2}$ + 2 πn , where *n* is an integer πn , where *n* is an odd integer b. Focus o facts but function coordina Graph each function. **10.** $y = \cot\left(\frac{\theta}{2} - \frac{\pi}{2}\right) - 2$ function **9.** $y = \tan(2\theta + \pi) + 1$ shown. ' symmetri x-axis at at $x = \frac{\pi}{3}$ the max $\sin 2x$ is **Discuss the** discussion a graph's sha 12. $y = \sec\left(\frac{\theta}{3} + \pi\right)$ **11.** $y = \csc \theta + 3$ - 1 Sample a ś $y = x \sin x$ 6 shape of peak. It i 0 $_{3\pi} \tilde{\theta}$ -3π <u>3</u>π $y \approx -1.5$ a at the ori *x* = ±0.5. 2.5 at abo

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