

Algebra 3 Review Worksheet

Review

Graph the following completely on the axes provided. Show all important points. For $\sin x$, $\cos x$, $\sec x$ and $\csc x$ show one cycle. For $\tan x$ and $\cot x$, show 2 cycles.

1. $y = 2\cos\left(\frac{x}{4}\right) + 1$

2. $y = -\cot\left(\frac{x}{3} - \pi\right)$

3. $y = 5\tan\left(x + \frac{\pi}{7}\right) + 2$

4. $y = -\frac{1}{2}\sin(2x - 2\pi)$

5. $y = 4\sec\left(\frac{2x}{3} + \pi\right) - 2$

6. $y = \frac{1}{3}\csc\left(2x + \frac{\pi}{2}\right) - 1$

7. $y = 2\cos(3x - \pi) - 4$