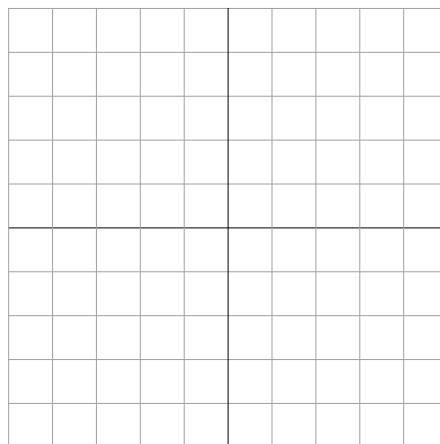


4.

7. Expand and simplify: $\log_3(3x^3 \cdot 3^x)$

8. If $f(x) = \cos x$, evaluate $f\left(f\left(\frac{\pi}{2}\right)\right)$.

9. Graph $f(x) = 3 \sin 2x$. State the period and amplitude.



10. Solve: $\cos 2x + \sin x = 0$, $0 \leq x < 2\pi$
