



4.

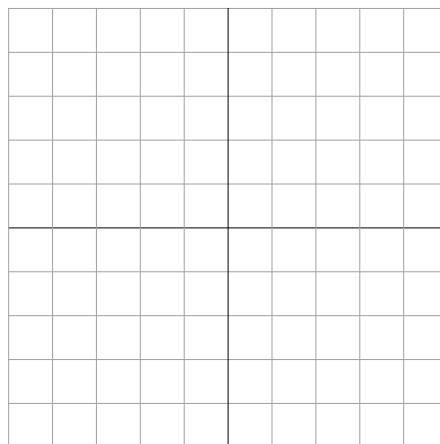
7. Expand and simplify:  $\log_3(3x^3 \cdot 3^x)$

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.

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

