

# Warm Up

Simplify then Evaluate

$$\frac{(2^2)^3 \times (7^3)^4 \times (2^5)^3 \times (7^4)^3}{(7^4)^2 \times (2^3)^2 \times (7^2)^6 \times (2^6)^2}$$

Oct 20-9:28 AM

Simplify then Evaluate

$$\begin{aligned} & \frac{(2^2)^3 \times (7^3)^4 \times (2^5)^3 \times (7^4)^3}{(7^4)^2 \times (2^3)^2 \times (7^2)^6 \times (2^6)^2} \\ &= \frac{(2)^6 \times (7)^{12} \times (2)^{15} \times (7)^{12}}{(7)^8 \times (2)^6 \times (7)^{12} \times 2^{12}} \\ &= \frac{(2)^{21} \times (7)^{24}}{(7)^{20} \times (2)^{18}} \\ &= (2)^3 \times (7)^4 \\ &= (8) \times (2401) \\ &= 19208 \end{aligned}$$

Oct 21-9:20 AM