

Fill in the empty spaces.

<p>Simplify:</p> $\frac{(4x^3)^2}{2x^4}$ $\frac{(4x^3)^2}{2x^4}$ $\frac{4x}{2x^4}$ $\frac{x}{2x^4}$ $x$	<p>Solve for 'x':</p> $\log_3(x - 7) = 4$ $3 = x - 7$ $= x - 7$ $+7 \quad +7$ $= x$	<p>Simplify:</p> $\sqrt{x^3} \cdot \sqrt{x^5}$ $x^{\frac{3}{2}} \cdot x^{\frac{5}{2}}$ $x^{\frac{3}{2} + \frac{5}{2}}$ $x^{\frac{8}{2}}$ $x$
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<p>Expand:</p> $\log_2 \frac{x}{(y+1)^3 z^2}$ $= \log_2 \underline{\quad} \log_2 \underline{\quad} \log_2 \underline{\quad}$ $= \underline{\quad} \log_2 \underline{\quad} \underline{\quad} \log_2 \underline{\quad} \underline{\quad} \log_2 \underline{\quad}$
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