

Correct. Rewrite using a rational exponent: $(9m^{20}n^6p^2)^{\frac{1}{4}}$

Use the laws of exponents to rewrite the expression: $9^{\frac{1}{4}} \cdot m^{\frac{20}{4}} \cdot n^{\frac{6}{4}} \cdot p^{\frac{2}{4}}$

Factor 9 and simplify the exponents: $(3^2)^{\frac{1}{4}} \cdot m^5 n^{\frac{3}{2}} p^{\frac{1}{2}} = 3^{\frac{1}{2}} m^5 n^{\frac{3}{2}} p^{\frac{1}{2}}$

Change the factors with rational exponents back to radical form: $m^5 \sqrt{3n^3p} = m^5 n \sqrt{3np}$

The missing radicand in the simplified expression is $3np$.