| M1 | 0 - 4 | .5 - Fra | actic | on E | хрс | nei | nts HW | | | | | | |
|------------------------------|--|-------------|------------------------------|--------|--------------------------------|--|--------------------|------------------------------------|------------------------------|-------------------|--|--|--|
| Chan | Change from radical/root form to exponential form. | | | | | | | | | | | | |
| ⁵ √3 ² | = | | ² √3 ⁵ | 5 = | | | $\sqrt{5} =$ | | | $\sqrt[3]{x^4} =$ | | | |
| | | | | | | | | | | | | | |
| 4√(− | ·7) ³ = | | ² √2 ⁷ | 7 = | | | $\sqrt{6} =$ | | | $\sqrt[2]{x^5} =$ | | | |
| | | exponentia | al form | to rad | ical/r | oot fo | rm. Simplify if po | ossible. | | | | | |
| $-3^{\frac{2}{3}}$ | = | | | | 16 ³ | = | | $81^{\frac{5}{4}} =$ | | | | | |
| (-5 | $()^{\frac{2}{3}} =$ | | | | $9^{\left(\frac{5}{2}\right)}$ | | | | ⁽⁵⁾ | | | | |
| | | | | | 9(2) | _ | | (–125) |)(3) = | | | | |
| (-5 | $(5)^{\frac{3}{2}} =$ | | | | | | | | | | | | |
| Simp | lify by e | xponents la | iws. An | swer i | n root | form | | | | | | | |
| $3^{\frac{1}{3}}$ x | $3^{\frac{1}{2}} =$ | | | | $5^{\frac{1}{2}}$ × | $< 5^{\frac{1}{4}} =$ | | 7 ³ 7 ⁸ > | $\sqrt{7^{\frac{3}{4}}} =$ | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| $6^{\frac{3}{2}}$ ÷ | $-6^{\frac{1}{4}} =$ | | | | - | $\frac{2^{\frac{1}{4}}}{2^{-\frac{1}{2}}} =$ | | 5 | $\frac{5}{2}{\frac{5}{4}} =$ | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| $(5^{\frac{2}{3}})$ | $\frac{1}{4} =$ | | | | (7 | $(\frac{1}{2})^3 =$ | | (| $5^{0.5})^{\frac{1}{3}}$ | = | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |