



## RADICALS – 1. Number Types

2. Rewrite using only exponents:  $\frac{2}{\sqrt[3]{x^5}}$

3. Rewrite as a single radical:  $(-3x^3)^{\frac{-2}{3}}$

4. Using the digits 3-9 at most one time each, form a true statement that cannot be simplified further. Explain some of the steps you took to solving, your initial thoughts/Attempts, and include any rough work to help show your thinking.

$$\square \sqrt{\square} < \square \sqrt{\square} < \square \sqrt{\square}$$

5. Using the digits 3-9 at most one time each, form two true statements. Explain some of the steps you took to solving, your initial thoughts/Attempts, and include any rough work to help show your thinking.

$$\sqrt{\square\square} = \square$$
$$\square < \sqrt{\square\square} < \square$$