

4.27.16

Power Rule with Rational Exponents

$$(a^m)^n$$

11) $\left(x^{\frac{3}{5}}\right)^{\frac{1}{2}}$

$$\frac{3}{5} \cdot \frac{1}{2}$$

X

$x^{\frac{3}{10}}$

12) $\left(x^{\frac{3}{4}}\right)^{\frac{2}{3}}$

$$\frac{3}{4} \cdot \frac{2}{3}$$

X

X

$$\frac{6}{12}$$

$x^{\frac{1}{2}}$