### 2.2 B Exponent Properties

$$
\text { Remember: } \quad a^{m} a^{n}=a^{m+n}
$$

$$
\left(a^{n}\right)^{m}=a^{m n} \frac{a^{m}}{a^{n}}=a^{m-n}
$$

2. $\ln \cdot 3 n^{1 / 3}$


Busy Work
$\frac{1.3+}{1.3} \frac{1}{3}$
$\frac{3+1}{3}=\frac{4}{3}$
2.2b Exponent Properties Sec 2co.notebook



BW

$$
\begin{aligned}
& \frac{5}{3} \cdot \frac{2}{1}=\frac{10}{3} \\
& \frac{2}{3} \cdot \frac{2}{1}=\frac{4}{3}
\end{aligned}
$$

Remember:
radical to exponent exponent to radical


$$
\begin{aligned}
& \text { Factor (GCF Only) } \\
& \text { Factor (X ) } \\
& \frac{\frac{3 x^{2}-x^{2}}{x^{2}}}{x^{2}(3 x-1)} \quad \frac{(x+2 x-3}{(x-1)(x+3))^{-3}} \\
& \text { Factor (Garbage) } \\
& 2 x^{2}-5 x-12 \\
& (2 x-8)(2 x+3) \\
& (x-4)(2 x+3)
\end{aligned}
$$

