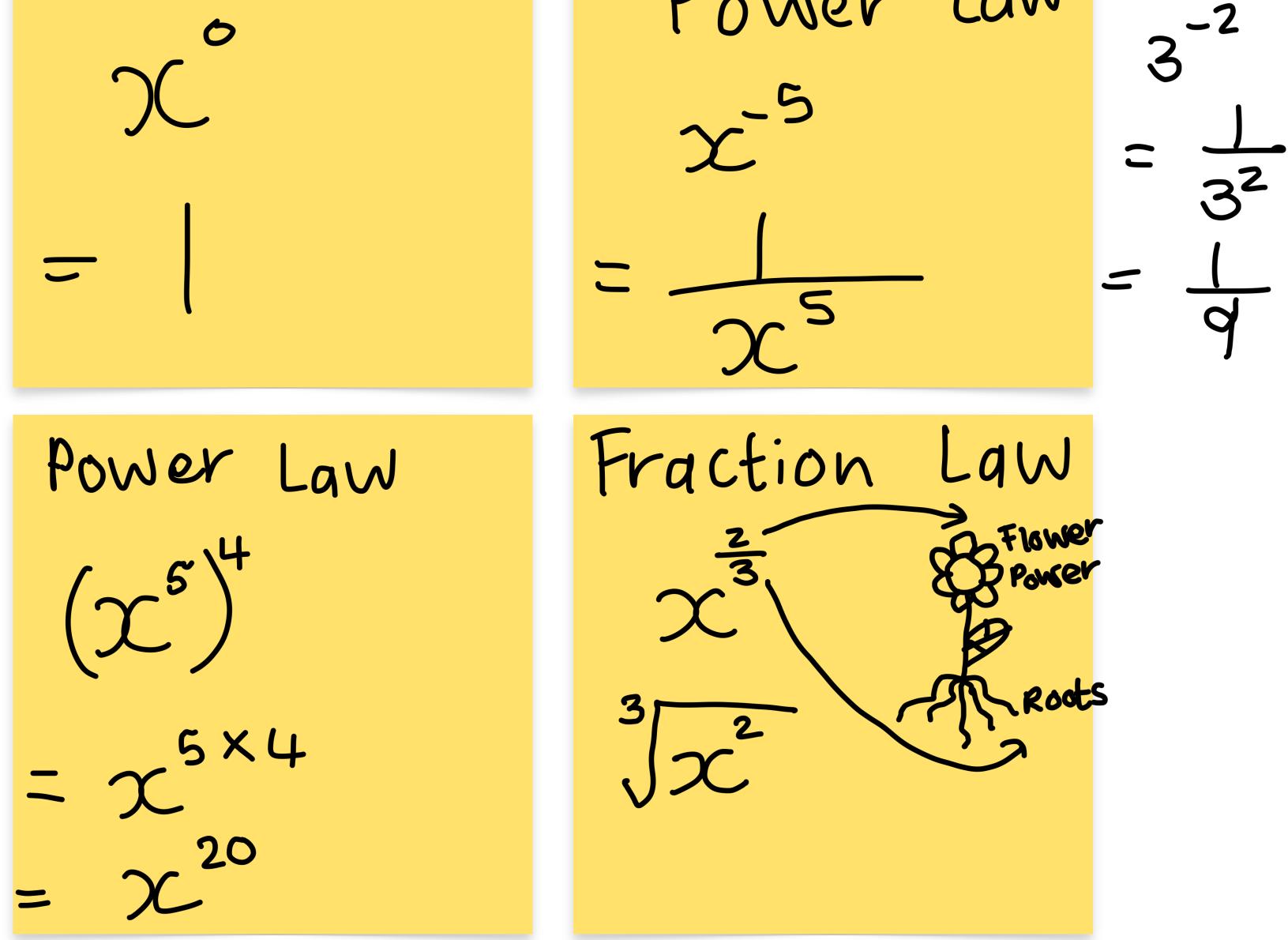
Thursday, 2 November 2023 Laws of Indices

Product Law	
$\chi^{3} \chi \chi^{4}$	
$= \chi^{3+4}$	5
$= \chi^7$	J

Quotient Law $\chi^{s} - \chi^{5}$ or $\frac{\chi^{\delta}}{\chi^{5}}$ $= x^{8-5}$ $= x^{3}$

Zero Law

Negative Power Law



Negative Indices Pg 322 Ex 18B $|a| 5^{-3} = \frac{1}{5^3} = \frac{1}{5 \times 5 \times 5} = \frac{1}{125}$ b) $6^{-1} = \frac{1}{6}$ c) $10^{-5} = \frac{1}{10^{5}} = \frac{1}{100,000}$