

FORKURS – POTENSER - NOTATER

Potenser

Definisjoner

$$a^n = a * a * \dots * a \text{ (n faktorer)}$$

$$a^0 = 1$$

$$a^{-n} = \frac{1}{a^n}$$

$$a^{\frac{1}{2}} = \sqrt{a}$$

Regler

$$a^m * a^n = a^{m+n}$$

$$\frac{a^m}{a^n} = a^{m-n}$$

$$(a^m)^n = a^{mn}$$

$$a^m * b^m = (ab)^m$$

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