Egns to Memorize

ABLD Matrices

2) lens:
$$\begin{pmatrix} 1 & 0 \\ -\frac{1}{4} & 1 \end{pmatrix}$$

$$\begin{pmatrix} -\frac{1}{4} \end{pmatrix}$$
 for award mirror $f = \frac{R}{2}$

$$Z_R = \frac{n\pi w_0^2}{\lambda}$$

$$W(z) = W_0 \int [1 + (\frac{z}{z_R})^2]$$

On-Resonance cross-section
$$\sigma = \frac{\lambda^2}{2\pi t}$$

Saturation