14) $\big|\,|p| - |q|\,\big| \leq |p-q|$

$$\Big(\big|\,|p| - |q|\,\big|\Big)^2 \leq \big(|p-q|\big)^2$$

$$|p|^2 - 2|p||q| + |q|^2 \leq |p|^2 - 2p\cdot q + |q|^2$$

$$-2|p||q| \leq -2p\cdot q$$

$$\underline{|p||q| \geq p\cdot q} \longrightarrow \text{Couch-Schwarz Inequality}$$