

$$|\psi\rangle \langle \phi| : |\xi\rangle \mapsto |\psi\rangle \langle \psi|\xi\rangle$$

$$\left\langle \phi \left| \frac{\partial^2}{\partial t^2} \right| \psi \right\rangle$$

**Also:**

$$\{ x \in \mathbb{R}^2 \mid 0 < |x| < 5 \}$$