

$$(\mathbf{x}_f \circ \mathbf{x}_g) \circ \mathbf{x}_h = \mathbf{x}_f \circ (\mathbf{x}_g \circ \mathbf{x}_h) = \mathbf{x}_f \circ (\mathbf{x}_g \circ \mathbf{x}_h)$$