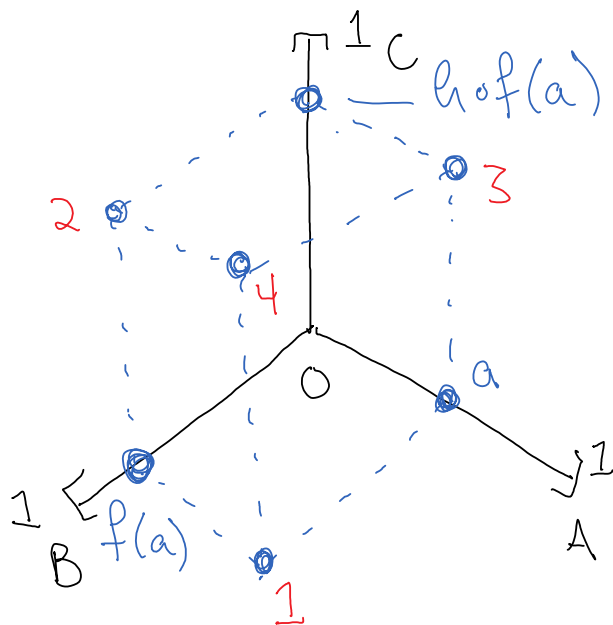


hw1

Thursday, October 13, 2016 9:12 AM



$$A, B, C = [0, 1] \subset \mathbb{R}$$

$$f: A \rightarrow B$$

$$h: B \rightarrow C$$

$$h \circ f: A \rightarrow C$$

- the graphs of f , h , and $h \circ f$ can be visualized on the x - y , y - z , and x - z planes
- representative points indicated in blue & red:

$$1 = (a, f(a), 0) \in \mathbb{R}^3$$

$$2 = (0, f(a), h \circ f(a))$$

$$3 = (a, 0, h \circ f(a))$$

$$4 = (a, f(a), h \circ f(a))$$