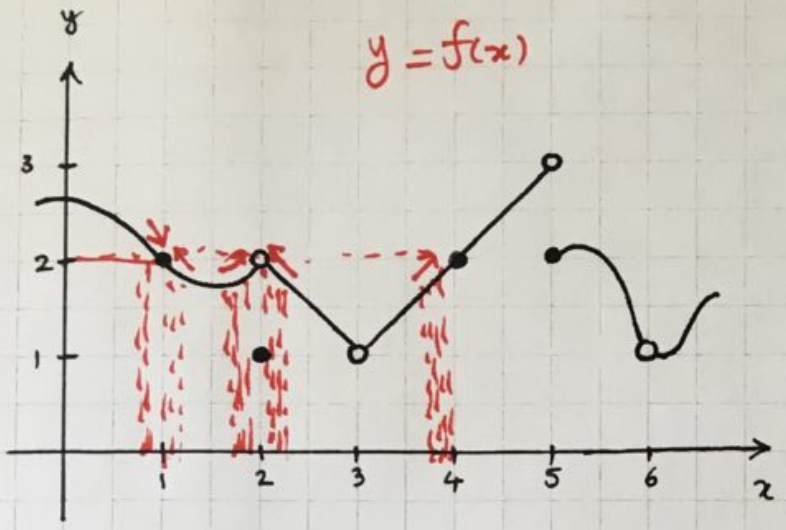
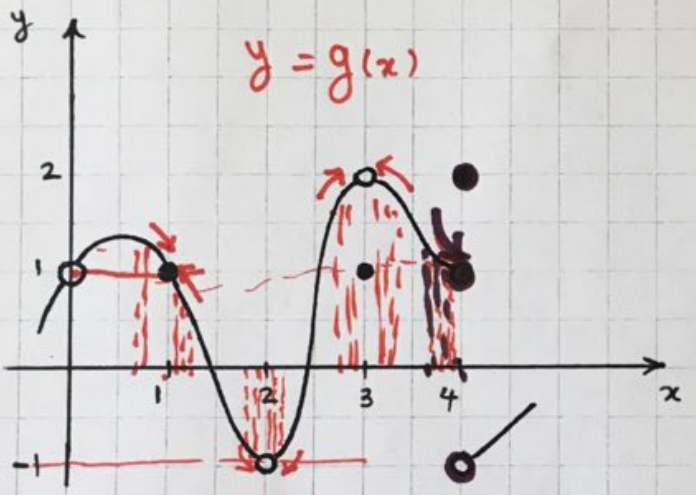


$y = f(x)$



$y = g(x)$

$$\lim_{x \to 1} f(x) + g(x) =$$

$$= \lim_{x \to 1} f(x) + \lim_{x \to 1} g(x)$$

$$= 2 + 1$$

$$= 3$$

$$\lim_{x \to 2} f(x) \cdot g(x) =$$

$$= \lim_{x \to 2} f(x) \cdot \lim_{x \to 2} g(x)$$

$$2 \cdot (-1) = -2$$

$$\lim_{x \to 4^-} \frac{f(x)}{g(x)} =$$

just look at left of 4

$$\frac{\lim_{x \to 4^-} f(x)}{\lim_{x \to 4^-} g(x)} = \frac{2}{1}$$

$$= 2$$

$$\lim_{x \to 3} g(x) + 5 =$$

$$= \lim_{x \to 3} g(x) + \lim_{x \to 3} 5$$

a constant function

$$2 + 5 = 7$$

$$g(4) = 2$$