

Lesson 5-6 → Intervals

some functions change shape as they go!

They are 5 choices of how they go

① Decreasing Linear



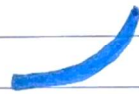
② Decreasing Nonlinear



③ Increasing Linear



④ Increasing Nonlinear

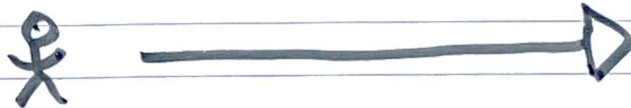


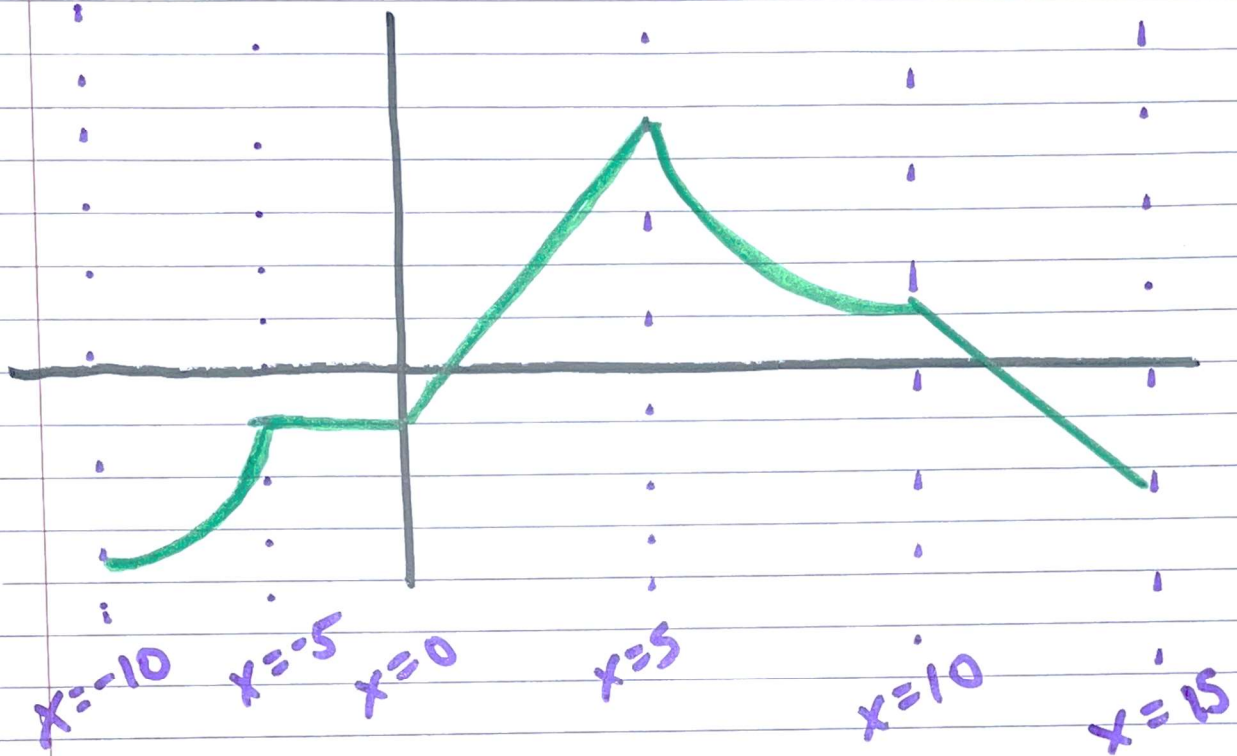
⑤ Constant



Remember! Read graphs

left to right





decreasing linear

$$10 \leq x \leq 15$$

decreasing nonlinear

$$5 \leq x \leq 10$$

increasing linear

$$0 \leq x \leq 5$$

increasing nonlinear

$$-10 \leq x \leq -5$$

constant

$$-5 \leq x \leq 0$$