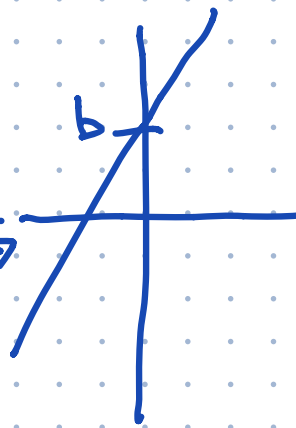
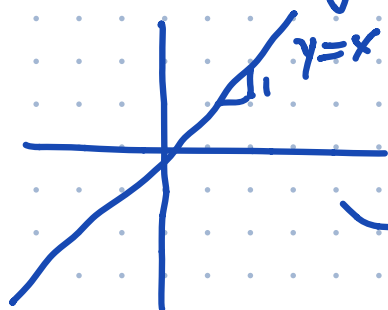


Understanding  $y = m(x) + b$



$$f(x) + c \uparrow$$

$$f(x) - c \downarrow$$

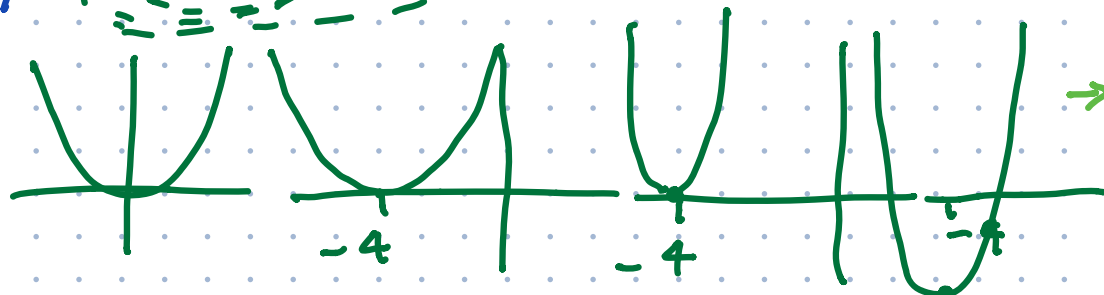
$$f(x+c) \leftarrow$$

$$f(x-c) \rightarrow$$

$$cf(x) > 1 \cup$$

$$< 1 \cup$$

$$y = 3((x+4)^2) - 2$$



$$\rightarrow -f(x) \xrightarrow{y} x$$

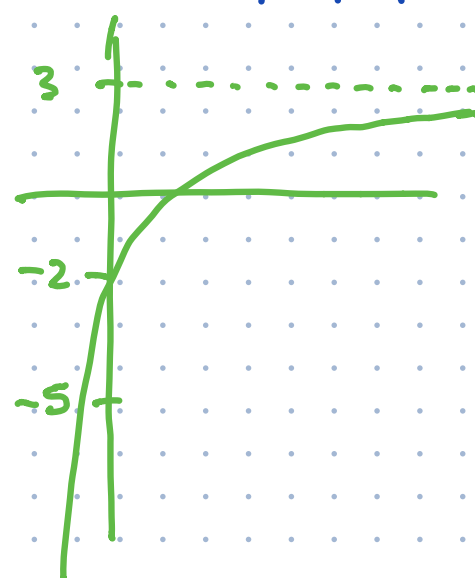
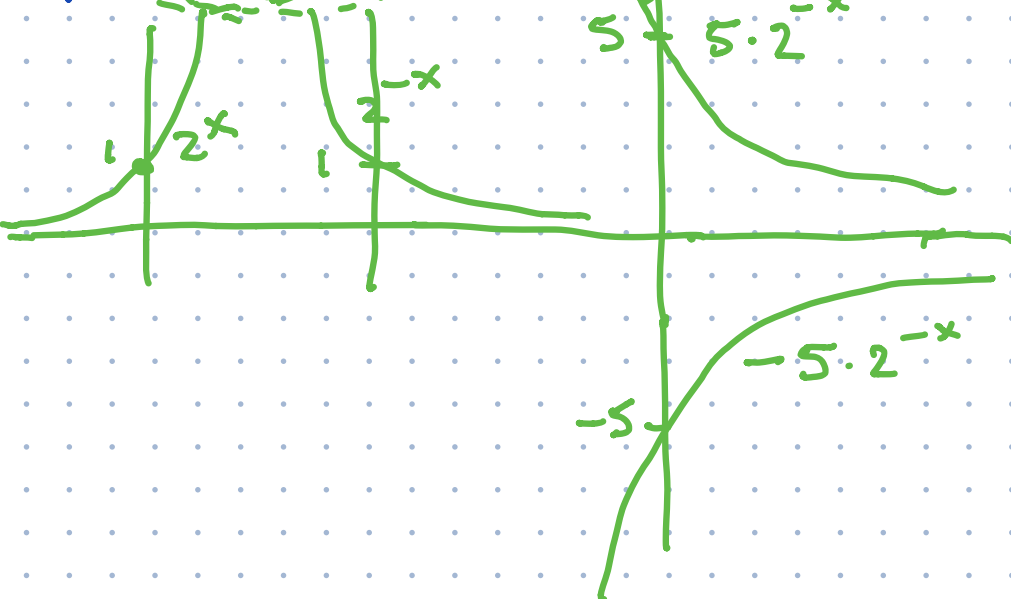
$$\rightarrow f(-x) \xrightarrow{y} x$$

$$f+g$$

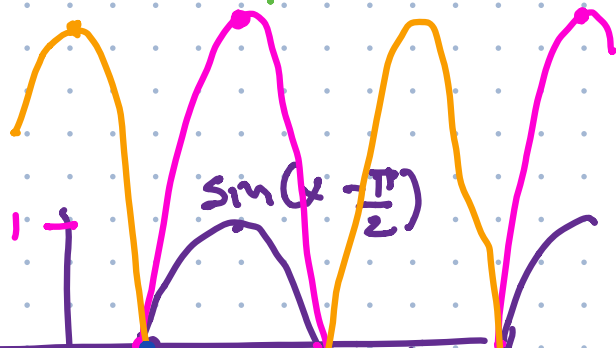
$$f-g$$

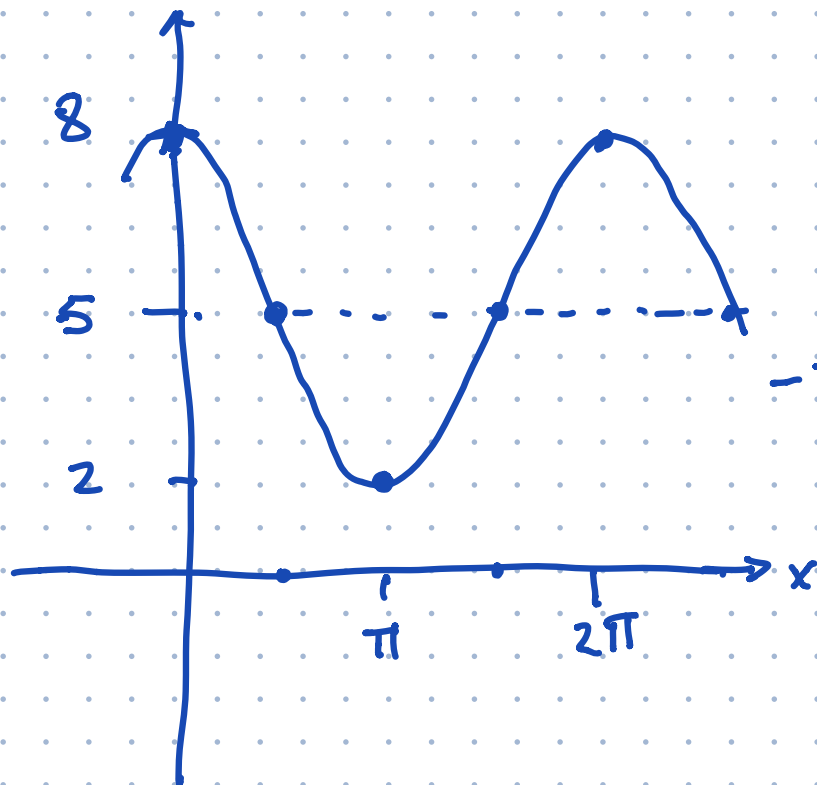
$$1/4 \quad | \cdot | \cdot |$$

$$y = -5 \cdot 2^{-x} + 3$$



$$y = -3 \left( \sin \left( x - \frac{\pi}{2} \right) \right) + 5$$





$$-3 \sin\left(x - \frac{\pi}{2}\right) + 5$$

$$3 \sin\left(x - \frac{\pi}{2}\right)$$

$$-3 \sin\left(x - \frac{\pi}{2}\right)$$