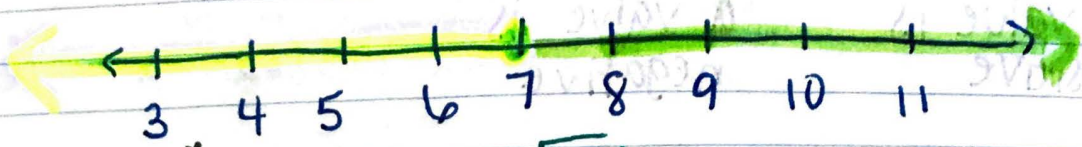


1.8 Evaluate Piecewise Functions 9/10/19

$$f(x) = \begin{cases} x+4; & x \leq 7 \\ 6x-8; & x > 7 \end{cases}$$

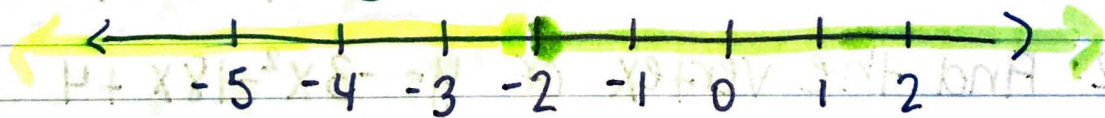


EX 1 $f(3) = 3 + 4 = \boxed{7}$

EX 2 $f(10) = 6(10) - 8 = \boxed{52}$

EX 3 $f(7) = 7 + 4 = \boxed{11}$

$$g(x) = \begin{cases} 3x^2; & x < -2 \\ 5x+1; & x \geq -2 \end{cases}$$



EX 4 $g(-1) = 5(-1) + 1 = \boxed{-4}$

EX 5 $g(-6) = 3(-6)^2 = \boxed{108}$

EX 6 $g(-2) = 5(-2) + 1 = \boxed{-9}$