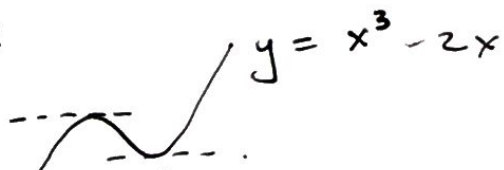


2.1 p108 49-52, 55, 57*

2.2 Read 110-117

- (49) Sketch a graph of a function with a neg. slope always
 → lines have constant slope, so why not
 $y = -2x + 3$

- (50) Sketch a graph
 w/ 0 zero slope in 2 places:



- (51) Do f & f' always have same domain?
 not always like $f(x) = |x|$ $f'(x) = \begin{cases} -1, & x < 0 \\ 1, & x > 0 \end{cases}$ DNE $x=0$
 or $g(x) = \sqrt{x} = x^{1/2}$
 and $g'(x) = \frac{1}{2\sqrt{x}}$

- (52) If f is symmetric to origin
 will f' also be symmetric to the origin?
 No, for example $f(x) = x$ and $f'(x) = 1$