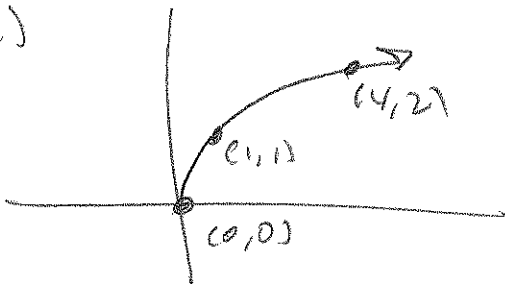


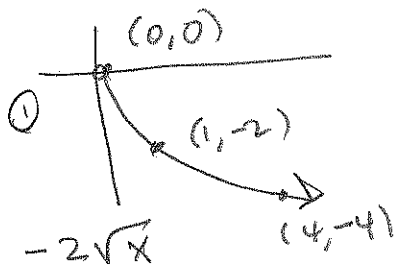
① (a)



$$D = R = [0, \infty) = \{x \mid x \geq 0\}$$

(b)  $g(x) = -2\sqrt{-x-5} - 3$

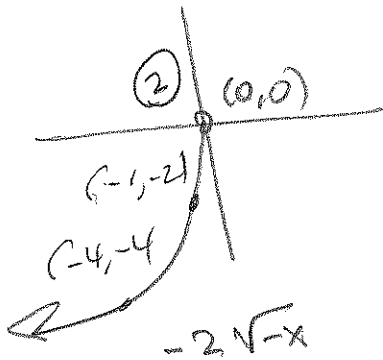
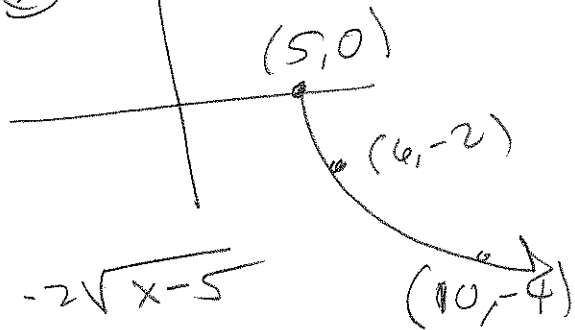
M1



M2

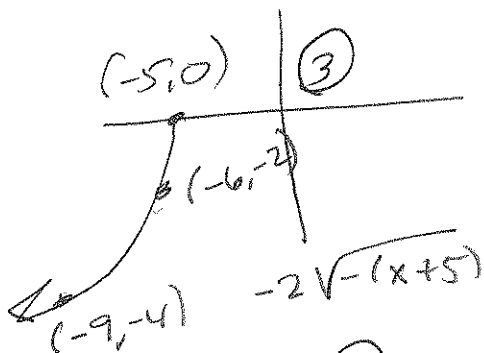
① Same as M1

② Same

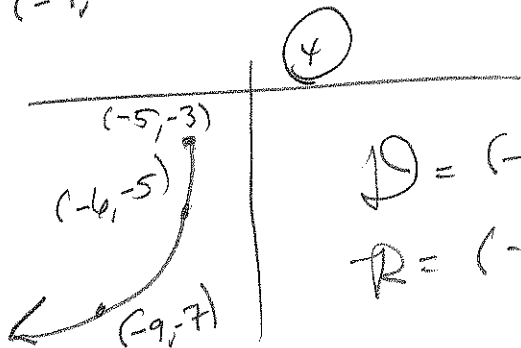


③

Same as ③ on left,



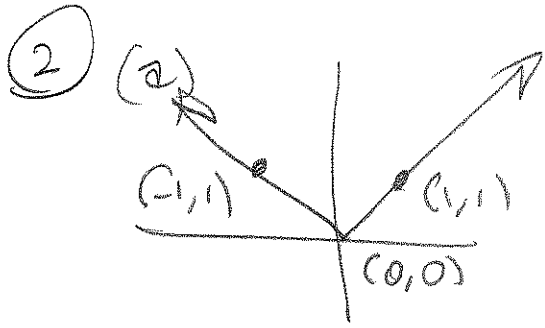
Just looked differently



$$D = (-\infty, -5]$$

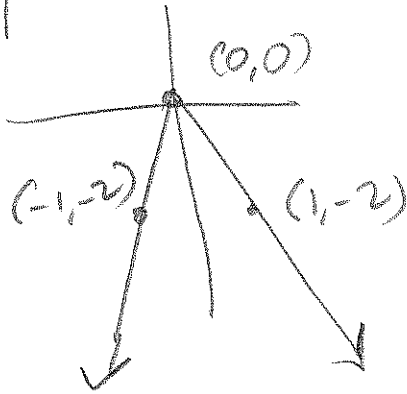
$$R = (-\infty, -3]$$

12) PT #2 II

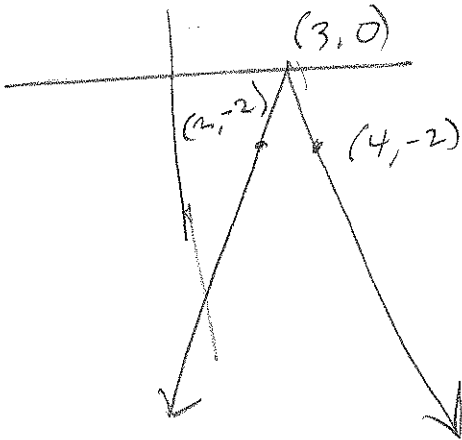


$D = \mathbb{R}$   
 $R = [0, \infty)$

(b)  $-2|x|$

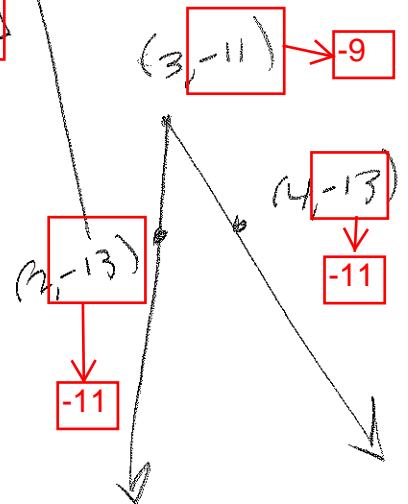


$-2|x-3|$



$D = \mathbb{R}$

$R = (-\infty, -11]$



121 PT #2 II

③ (a)  $f(x) = \frac{1}{x^2}$

$D = \mathbb{R} \setminus \{0\}$   
 $= (-\infty, 0) \cup (0, \infty)$

$R = (0, \infty)$

