

Q. 11.2

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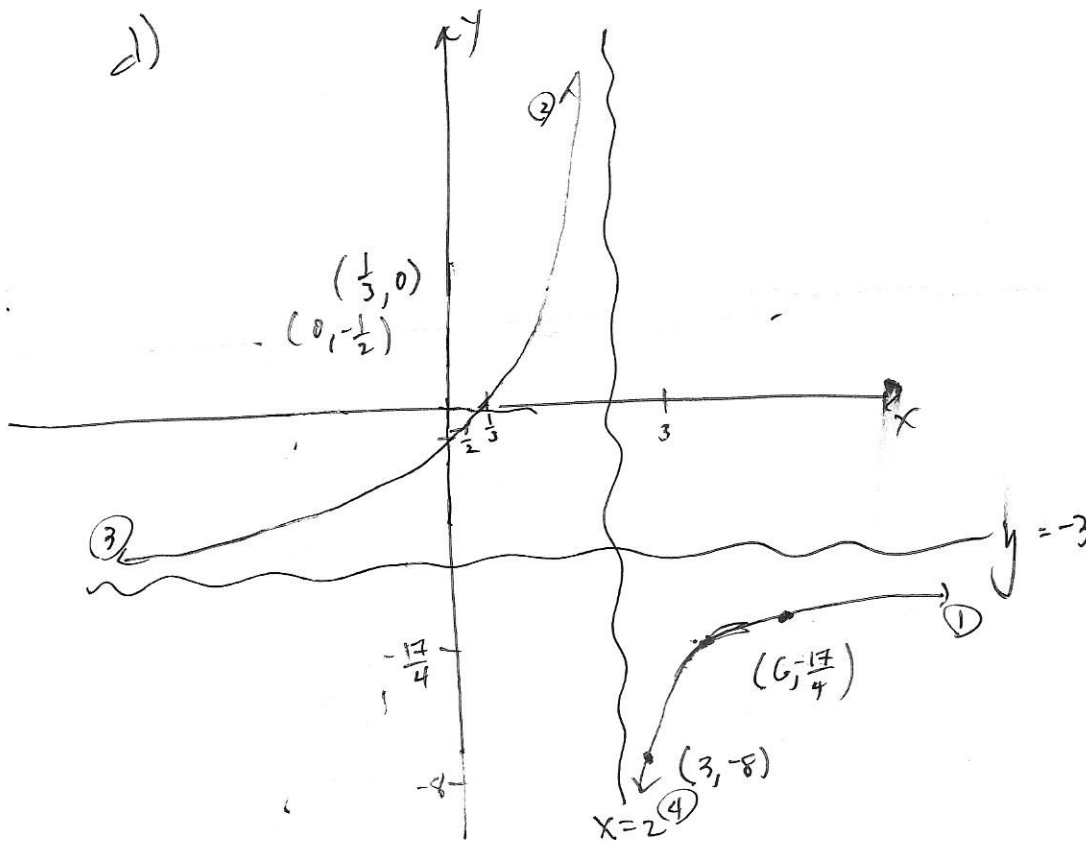
$$f(x) = \frac{3x-1}{-x+2}$$

a) Asym HA $y = -3$
VA $x = 2$

b) x -int
 y -int = $-\frac{1}{2}$
 x -int = $\frac{1}{3}$

c) $D \neq \mathbb{R}$ $D: (-\infty, 2) \cup (2, \infty)$ $R: (-\infty, -3) \cup (-3, \infty)$

d)



$$f(3) = \frac{8}{-1}$$

$$f(6) = \frac{17}{-4}$$

e) $x \rightarrow \infty$
① $y \rightarrow -3$

② $x \rightarrow 2^-$
 $y \rightarrow \infty$

③ $x \rightarrow -\infty$
 $y \rightarrow -3$

④ $x \rightarrow 2^+$
 $y \rightarrow -\infty$