

$$(6) f(x) = \frac{(3x-5)(x+2)}{x(x+2)} = \frac{3x-5}{x}$$

4 pts (a) Vert asy: $x=0$

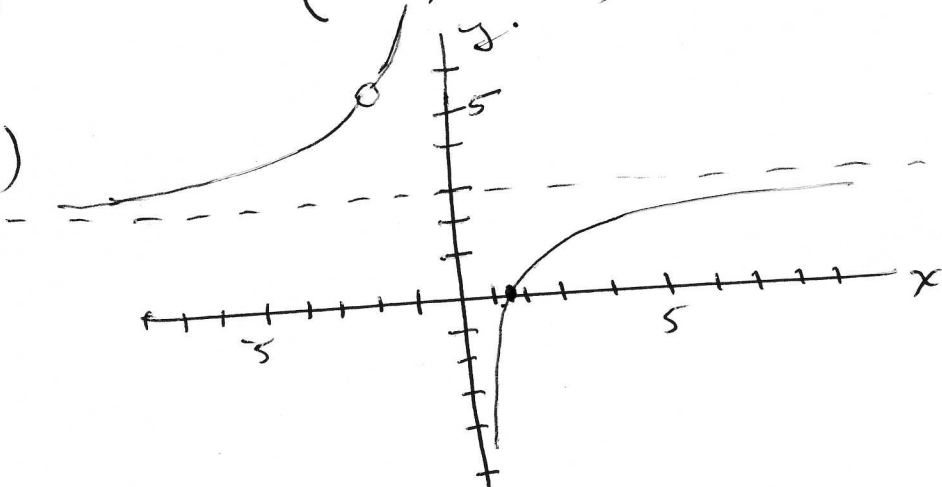
4 pts (b) H.A. $y=3$

3 pts (c) x-intercepts: $3x-5=0 \Rightarrow x=5/3$

3 pts (d) y-intercept: none

3 pts (e) Hole @ $(-2, +1/2)$

3 pts (f)



12 pts (8)

$$p(x) = a x^2 (x+4)(x-3)$$

$$1 = a (1)^2 (1+4)(1-3) \Rightarrow a = -\frac{1}{10}$$

so $p(x) = -\frac{1}{10} x^2 (x+4)(x-3)$

-2 wrong a!