$$f(x) = \frac{(ax+b)(x-c)^{2}}{(x-c)(x+c)^{2}}$$
(1) Holes 
$$\frac{(ax+b)(x-c)^{2}}{(x-c)(x+c)^{2}}$$
Nothing Concess

None

(3) Rocks 
$$0 = \frac{(ax+b)(x-c)^{2}}{(x-c)(x+c)^{2}}$$

$$0 = \frac{(ax+b)(x-c)^{2}}{(x-c)(x+c)^{2}}$$

$$-\frac{b}{a}$$
(3) Y Intercept
$$1 = \frac{(a(a)+b)((a)-c)^{2}}{(a(a)+c)^{2}}$$

$$-\frac{bc^{2}}{a^{2}}$$

$$-\frac{bc}{a^{2}}$$

0= (x-c)(x+d)2

(x-c) (x+a)2

ax3...

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(4) Vertical Asymptote

9 Horizontal Asymptote