Find all Vertical Asymptotes and Holes. For the hole also find the $y$-coordinate.
2) $f(x)=\frac{x^{2}+7 x+12}{-2 x^{2}-2 x+12}$
4) $f(x)=\frac{-3 x+12}{x^{2}-3 x-4}$
5) $f(x)=\frac{-2 x^{2}+4 x+16}{x^{2}-5 x+4}$
8) $f(x)=\frac{x^{2}+5 x+4}{x^{2}-1}$
2) $f(x)=\frac{x^{2}+2 x-8}{-x^{2}+6 x-8}$
3) $f(x)=\frac{x^{2}-7 x+12}{-2 x^{2}-2 x+24}$
4) $f(x)=\frac{3 x^{2}-3 x-18}{x^{2}-4}$
5) $f(x)=\frac{x^{2}+6 x+8}{x^{2}+3 x-4}$
6) $f(x)=\frac{2 x+6}{x^{2}+5 x+6}$
8) $f(x)=\frac{-3 x+12}{x-2}$
10) $f(x)=\frac{x^{3}+x^{2}-12 x}{x^{3}-x^{2}-6 x}$

