Algebra2/Trig Name _____

Graphing Rational Functions (2) Block _____ Date _____

Graph the following. Identify the domain, hole(s), V.A., H.A., and O.A. for the following problems.

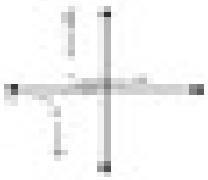
1. $y = \frac{1}{x+3}$

D:

Hole:

V.A.:

H.A. or O.A.:



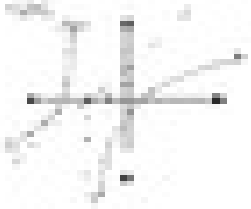
2. $y = \frac{x^2+2x-3}{x+3}$

D:

Hole:

V.A.:

H.A. or O.A.:



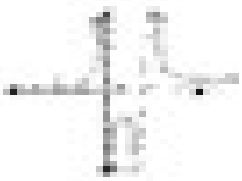
3. $y = \frac{x}{x^2-x-2}$

D:

Hole:

V.A.:

H.A. or O.A.:



4. $y = \frac{x^2+3x+2}{x^2-4}$

D:

Hole:

V.A.:

H.A. or O.A.:

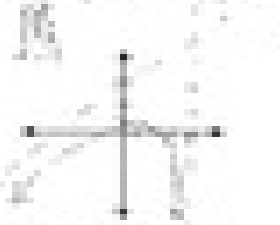
5. $y = \frac{x^2-2}{x-3}$

D:

Hole:

V.A.:

H.A. or O.A.:



6. $y = \frac{x^2-4x+3}{x+3}$

D:

Hole:

V.A.:

H.A. or O.A.: