Algebra 2 Bellwork Friday, February 5, 2016 1. Write the equation of this graph which is a transformation of $y = \frac{3}{r}$



2. Solve this rational equation: $\frac{2x}{x+4} - \frac{3}{x-2} = \frac{6x-30}{x^2+2x-8}$

For 3 and 4 state the points of discontinuity, if any, and classify them as either Holes or Vertical Asymptotes.

3.
$$y = \frac{2x^3 + 2x^2 - 60x}{3x^3 + 16x^2 - 12x}$$
 4. $y = \frac{x^2 + 7x + 12}{2x^2 + 6}$

Points of discontinuity: Holes: VA:





VA: Holes:

$$X = \frac{2}{3}$$
 $X = 0_1 - 6$



1