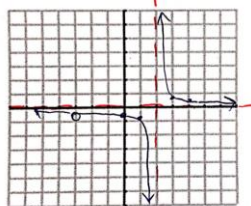
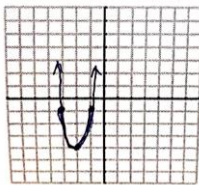


## Assignment #5.8 Review Key

1. d
2. a
3. c
4. c
5. a
6. b
7.  $\frac{6x-1}{(x+2)(x-2)}$   $x \neq 2, -2$
8.  $\frac{x^2+36x-6}{27}$  no restrictions
9.  $\frac{x(x-2)}{x+4}$   $x \neq -2, 2, -5, -4$
10.  $\frac{x(x+1)}{5(x-3)}$   $x \neq 3, -3$
11.  $x-3$   $x \neq -3, 0$
12.  $\frac{4x(x-2)}{5(x+2)}$   $x \neq -7, -2, 2$
13.  $\frac{4x^2}{x+3}$
14.  $x-4$   $x \neq 0, -4$

15.  $x = 2$  is extraneous so No Solution  $x \neq 2$ 16.  $x = 3, -2$   $x \neq -1, 0$ 17.  $x = 2$   $x \neq 0$ 18.  $x = -24$   $x \neq 3$ 19. VA:  $x = 0$  HA:  $y = \frac{1}{6}$  Hole:  $(-4, \frac{7}{24})$ 20. X-int:  $(-5, 0)$  y-int:  $(0, -5)$ 21. Simplified Form:  $\frac{3}{4(x-2)}$ VA:  $x = 2$  HA  $y = 0$  Hole:  $(-3, -\frac{3}{20})$ Intercepts:  $(0, -\frac{3}{8})$  Add. Pts:  $(1, -\frac{3}{4})$   $(3, \frac{3}{4})$   $(4, \frac{3}{8})$ 

22. Left 2 Down 4 Vertical Stretch of 3

23.  $8x^3 - 12x^2y + 6xy^2 - y^3$