

VA DAY 5 HW KEY - odds

① $y = \frac{(x+3)}{(x-4)(x+3)}$ HA: $y=0$
 VA: $x=4$
 Holes: $(-3, 1/7)$

③ $y = \frac{(x-3)(x+1)}{(x-2)}$ HA: $y=x$
 VA: $x=2$
 Holes: \emptyset

a	1	-2	-3
	↓	2	0
	1	0	-3

⑤ $y = \frac{2}{(x+1)}$ HA: $y=0$
 VA: $x=-1$
 Holes: \emptyset

⑦ $y = \frac{2}{x-6}$ HA: $y=0$

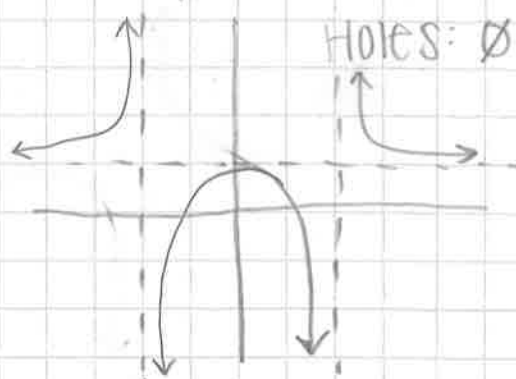
⑨ $y = \frac{(x+3)}{2(x+4)}$ HA: $y=1/2$

⑪ $y = \frac{3x-12}{x^2-2}$ HA: $y=0$

⑬ $y = \frac{3}{x-2}$ HA: $y=0$
 VA: $x=2$
 Holes: \emptyset

⑮ $y = \frac{x}{x(x-6)}$ HA: $y=0$
 VA: $x=6$
 Holes: $(0, 1/6)$

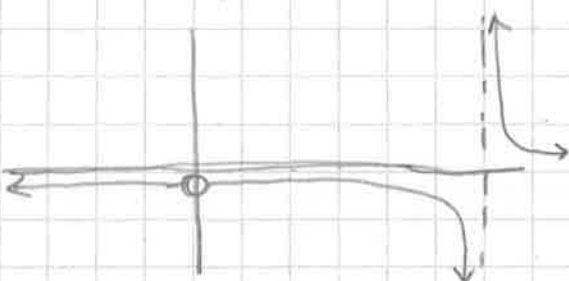
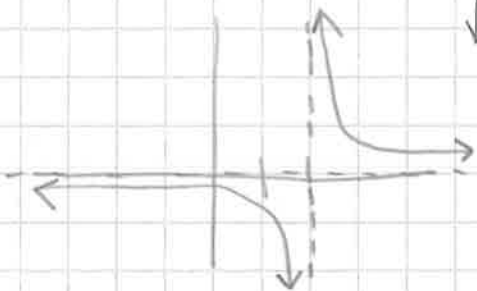
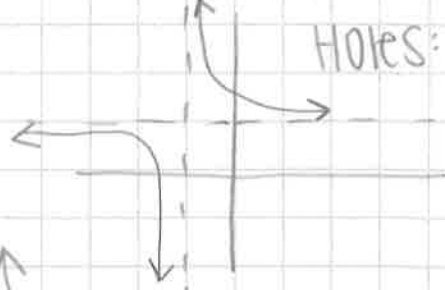
⑰ $y = \frac{(x+1)(x-1)}{(x+2)(x-2)}$ HA: $y=1$
 VA: $x=2, x=-2$



⑲ $y = \frac{x}{x^2+4}$ HA: $y=0$
 VA: \emptyset
 Holes: \emptyset



⑳ $y = \frac{(x+3)}{(x+1)}$ HA: $y=1$
 VA: $x=-1$
 Holes: \emptyset



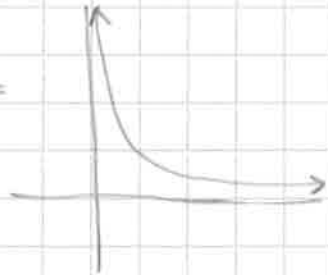
V4 DAY 5 HW KEY - Odds

23) $y = -\frac{x}{x(x-1)}$ VA: $x=1$
Holes: $(0, 1)$

25) $y = \frac{(x^2-2)}{x+2}$ VA: $x=-2$
Holes: \emptyset

27) $y = \frac{(x+3)}{(x+3)(x-3)}$ VA: $x=3$
Holes: $(-3, 1/6)$

29) $y = \frac{(x-2)(2x+3)}{(5x+4)(x-3)}$ VA: $x = \frac{-4}{5}$ $x=3$
Holes: \emptyset

31) a) $\frac{3500 + .02x}{x} =$ 

b) $\frac{.02x + 3500}{x} = 1.50$
 $.02x + 3500 = 1.50x$
 $3500 = 1.48x$

2365 pages

e) HA: $y=0$
VA: $x=0$

c) $3500 = 0.98x$

3572 pages

d) $3500 = 0.48x$

7292 pages