Applications of Rational Sunction Test Review $\frac{a^2 + 3b^5}{8b^3 + 8a^3} = \frac{3a^2b^5}{64a^3b^3}$ 4. a. b. b. b. b. b. 13 ba a) a2 . a2-20-15 warmup
a+3 . a2-10 2/8/19 a(a-5) res. $a \neq -3$ (a-1) $(x-10)(x+3)a \neq 1$ (x+2)(x-1) $(x-10)(x+3)a \neq 1$ (x+3)(x-1) (x+3)(x-10) (x+3)(x-10) (x+3)(x-10) (x+3)(x-10) (x+3)(x-10) (x+3)(x-10)rest. X+3=0 ax+1=0 X-1=0 X+1= X+1=0 (wt1) $\frac{\omega + 2}{\omega^2 + 3\omega + 2}$ mult by $\frac{\omega + 2}{\omega + 1}$ reciprocal $\frac{(\omega + 1)(\omega + 2)}{(\omega + 1)(\omega + 2)} = \frac{(\omega + 2)(\omega + 2)}{(\omega - 5)}$ (X+3)(X+3) · (X+5)(X-4) - (X-4) (X+3)(X+2) · (X+5)(X-3) - (X+2) X+3=0 X+2=0 X+5=0 X+3=0 X+-3 X+-2 X+-5 X+3

-3(w-3)

15)
$$\frac{2}{x+2} + \frac{3}{x+3} = \frac{3}{3}$$

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16) $\frac{2}{x+3} + \frac{3}{x+3} = \frac{3}{3}$

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10) $\frac{2}{x+3} + \frac{3}{x+3} = \frac{3}{x+3}$

11) $\frac{2}{x+3} + \frac{3}{x+3} = \frac{3}{x+3}$

12) $\frac{2}{x+3} + \frac{3}{x+3} = \frac{3}{x+3}$

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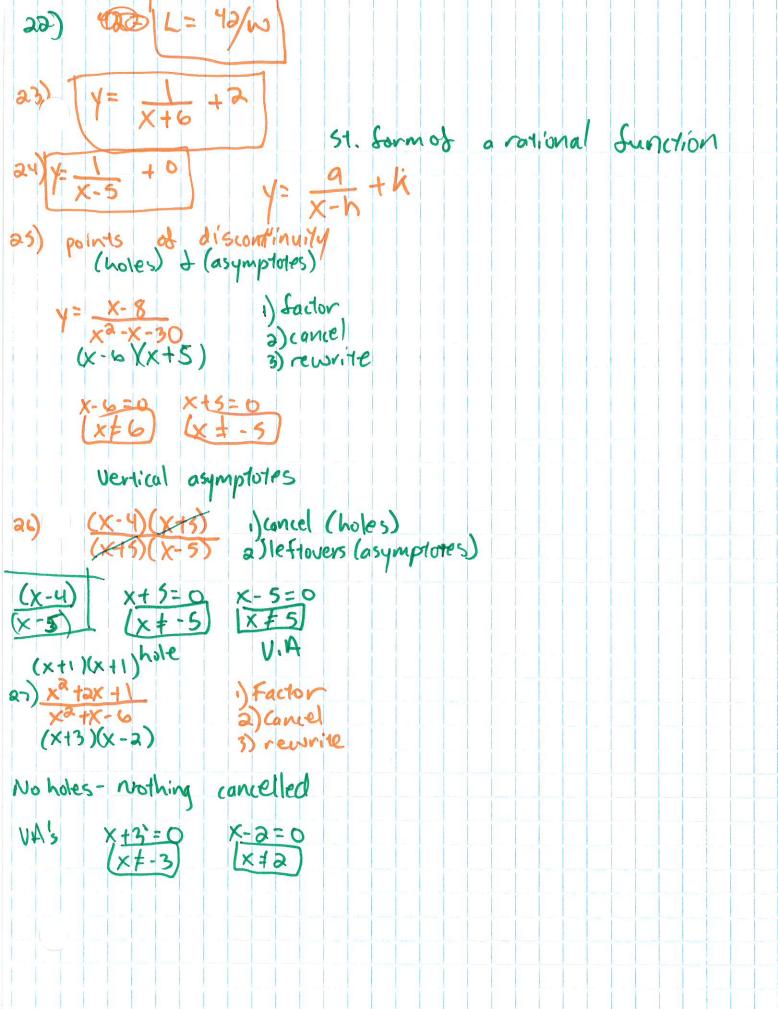
16) $\frac{3}{x+3} + \frac{3}{x+3} = \frac{3}{x+3}$

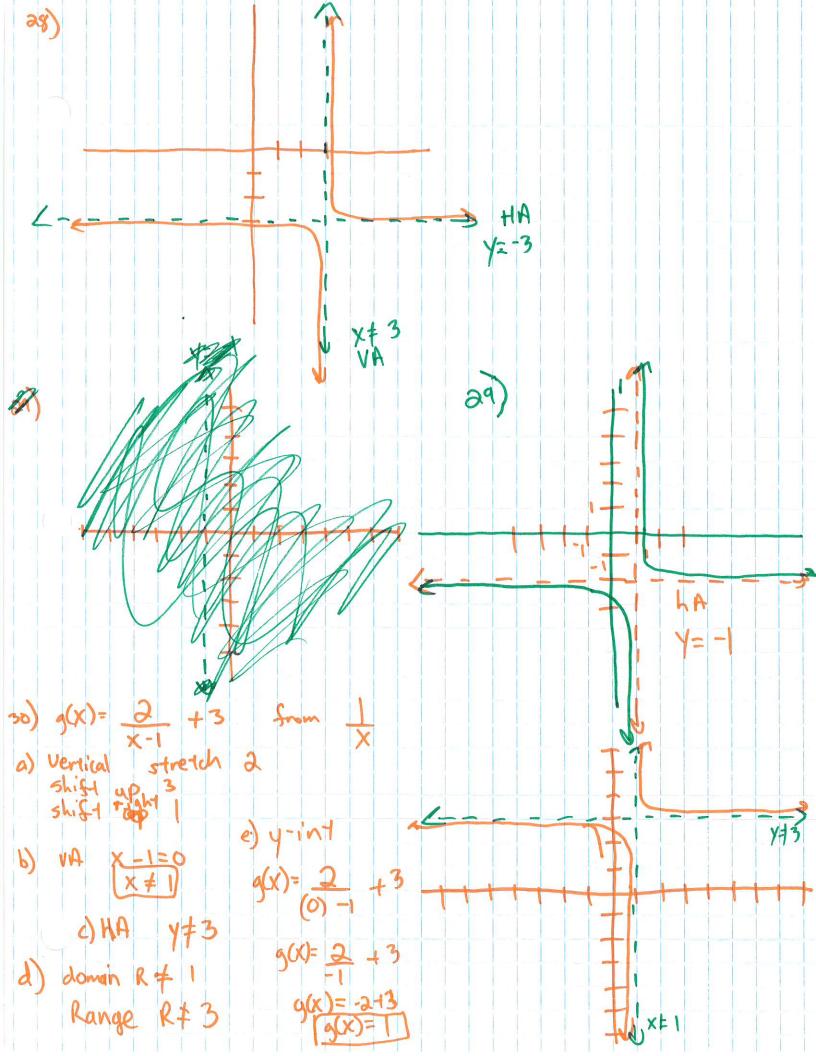
17) $\frac{3}{x+3} + \frac{3}{x+3} = \frac{3}{x+3}$

18) $\frac{3}{x+3} + \frac{3}{x+3} = \frac{3}{x+3}$

19) $\frac{3}{x+3} + \frac{3}{x+3} = \frac{3}{x+3} = \frac{3}{$

19)
$$\frac{1}{4} + \frac{1}{4} = \frac{1}{3.5}$$
 $\frac{1}{5} + \frac{1}{4} = \frac{1}{3.5}$
 $\frac{1}{5} + \frac{1}{5} = \frac{1}{5}$
 $\frac{1}{5} + \frac{1}{5} = \frac{1}{5} = \frac{1}{5}$
 $\frac{1}{5} + \frac{1}{5} = \frac{1}{5} = \frac{1}{5} = \frac{1}{5}$
 $\frac{1}{5} + \frac{1}{5} = \frac{1}{5$





31)
$$X = (x+a)^4 (x-a)^3$$
 $x+a=0$
 $x=a=0$
 x

