[a. 
$$\frac{x^2}{x^{\frac{1}{4}}} = \frac{x^3}{x^3} = \frac{x^2}{4}$$

6.  $(x^{\frac{1}{4}})^{\frac{1}{4}} = \frac{27^{\frac{1}{3}}}{y^{\frac{1}{3}}} = \frac{3}{y}$ 

7a.  $4x + 3 = 8xc - 6$ 

(ix  $49 = 8x$ 

(ix  $49$ 

Colks = vellassunt at X= 4 and X=-4 6.  $\chi(s) = \frac{s+1}{s^2-16}$ - 2x-2+2c+5 7. 2x3-2x2+3x+3 Oblique asymt at y= 2x-Lcm of 3,9,0(3x+2) is 9 (5x+2) 8. I(x): 2x + 5 - 9(3x+2) 6x(3x+2) + 5(3x+2 9 Bx+2) 7 (3x+2) 9(3x+2) 8. 6x (3x+2)+5(3x+2)-1 of (3>e+Z) 9(2x+1)(2x+1) 9(300+2) (x+1)(2x+1) -Assmatates of pole al x-orgs 3242 2x2+3x+1 Oblight at 3x + 5 376+2 lo. no hor: Z asymtotes 9.2/05/+ 4/05 = los(4) ( ln(scy) + /n (y2) = los (xy) b los. 12 = los. 3+ Los. 4 = 1+log. 3 ≈ 1-79 248. d 10910 1008=3

