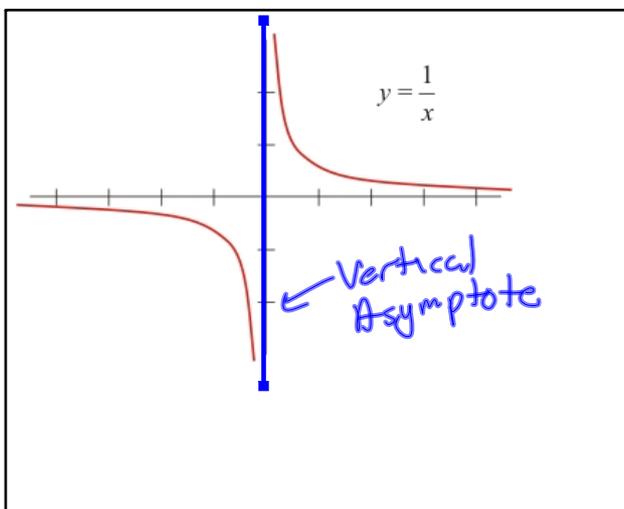


$$\begin{aligned}
 27) \quad & 75 + 12x^2 - 60x \\
 & 3(4x^2 - 20x + 25) \\
 100 = -10 \cdot -10 & \quad 4x^2 - 10x - 10x + 25 \\
 -20 = -10 + -10 & \quad 2x(2x-5) - 5(2x-5) \\
 & 3(2x-5)(2x-5)
 \end{aligned}$$

Sep 4-3:51 PM

$$\begin{aligned}
 26) \quad & 54x^6y - 2y \\
 & 2y(27x^6 - 1) \\
 & \quad (3x^2)^3 - (1)^3 \\
 & 2y(3x^2 - 1)((3x^2)^2 + (3x^2)(1) + (1)^2) \\
 & 2y(3x^2 - 1)(9x^4 + 3x^2 + 1)
 \end{aligned}$$

Sep 4-4:05 PM



Sep 4-4:11 PM

$$\#19 \quad \frac{x^2 - 16}{x^2 - 3x - 28}$$

$$x^2 - 3x - 28 \neq 0$$

$$(x-7)(x+4)$$

$$x-7 \neq 0 \quad x+4 \neq 0$$

$$x \neq 7 \quad x \neq -4$$

Sep 4-4:30 PM

$$\frac{28}{60} = \frac{\cancel{4}(7)}{\cancel{4}(15)} = \frac{7}{15}$$

$$\#26 \quad \frac{\cancel{2}y^5z}{\cancel{4}y^9z^3} = \frac{2}{y^4z^2}$$

Sep 4-4:35 PM

#34
pg 512

$$\frac{6-5a}{10a-12} = \frac{-5a+6}{10a-12}$$

$$\frac{-1(\cancel{5a-6})}{2(\cancel{5a-6})} = -\frac{1}{2}$$

Sep 4-4:39 PM

