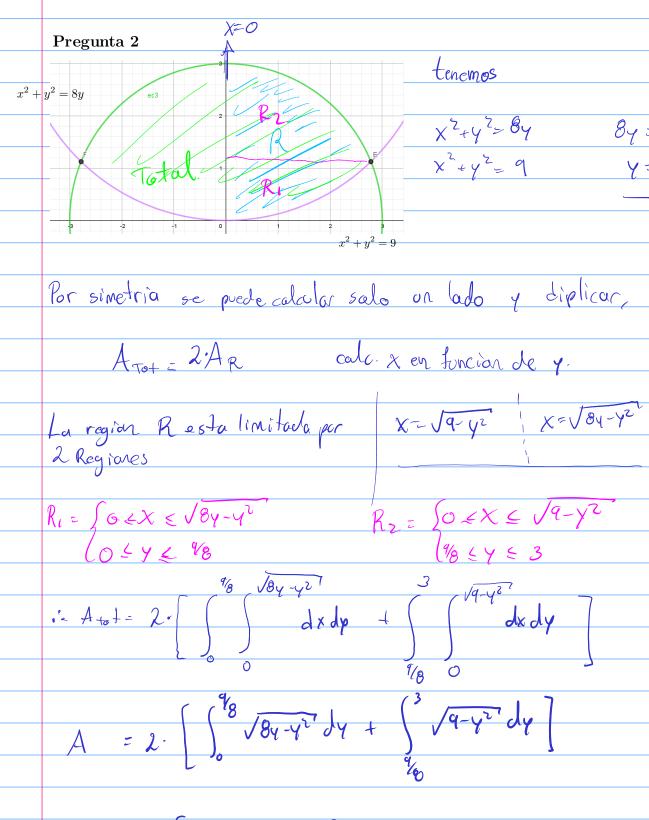
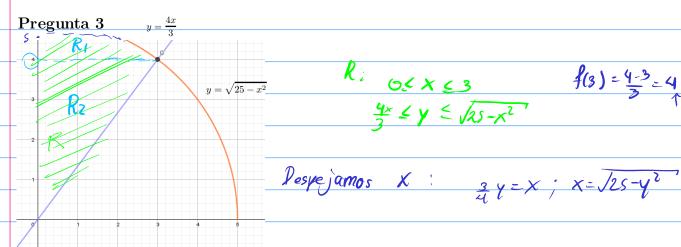
Angie Marchena Tarea 2 Calculo 3 Mercedes Rojas Rodolfo Marten Pregunta 1 Calcolamos interse e iones. A:  $x = \frac{16}{x} - \frac{1}{9} x^2 = \frac{1}{9}$  $y = \frac{16}{x}$  A; (4,4) B=(1,1) x=1 y=1/ C: 16 = x-6 -0 x=8 y=2 IR = ( x dydx (8,2)0: 1= x-6 -> x=7 (7,1)  $R_{2} = \begin{cases} \frac{1}{x} \frac{x}{x} \, dy \, dx \end{cases}$  $\frac{\left(\frac{x}{y} dy = x \ln(y)\right)}{\left(\frac{x}{y} dy = x \ln(y)\right)}$  $\int_{\mathbb{R}^{2}} \int_{\mathbb{R}^{2}} \int_{$  $R_{t} = \begin{cases} \frac{4}{x} \ln(x) & \frac{16}{x} \\ \frac{1}{x} \ln(x) & \frac{16}{x} \\ \frac{1}{x} \ln(x) & \frac{1}{x} \\ \frac{1}{x} \ln(x) & \frac{1}{x} \ln(x) \\ \frac{1}{x}$  $I_{R} = \left( \frac{1}{2} \left[ \times \ln x - \ln(1) \right] dx + \left( \frac{16}{2} \ln \left( \frac{16}{2} \right) - \ln(1) \right) dx + \left( \frac{16}{2} \ln \left( \frac{16}{2} \right) - (x - 6) \ln \left( x - 6 \right) \right) dx \right)$ In = 7,34 + 17,41 +272 IR= 27,47





 $k: 6 \le x \le 3 \qquad f(3) = \frac{4-3}{3} \le 4$   $\frac{4x}{3} \le y \le \sqrt{25-x^2}$ 

- R1: 64x 6/25-y2 R2: 06x6 344 06464 4 & y & 5
- The standard order tenemos

  Jest day the standard day
  - I= \( \frac{3}{4} \text{Y} \dy + \int \frac{5}{25-427}
  - I= 6 + 2,04
  - I= 8,64