2. Simplificar las siguientes expresiones:

(a)
$$\left(\frac{-3}{\frac{4}{5}+1}\right)^{-1} \cdot \left(\frac{4}{5}-1\right) + \frac{1}{3}$$

$$\left(\frac{-3}{\frac{4}{5}+1}\right)^{-1} \cdot \left(\frac{4}{5}-1\right) + \frac{1}{3} = \left(\frac{\frac{4}{5}+1}{-3}\right) \cdot \left(\frac{4}{5}-1\right) + \frac{1}{3} = \left(\frac{\frac{3}{5}}{-\frac{3}{5}}\right) \cdot \left(\frac{-1}{5}\right) + \frac{1}{3} = \left(\frac{-3}{5}\right) \cdot \left(\frac{-1}{5}\right) + \frac{1}{3} = \frac{\frac{3}{5}+\frac{1}{25}}{\frac{25}{5}} = \frac{\frac{3}{5}+\frac{1}{25}}{\frac{25}{5}} = \frac{\frac{3}{5}+\frac{1}{25}}{\frac{25}{5}} = \frac{3}{25} + \frac{1}{25} = \frac{3}{25} + \frac{1}$$

(b)
$$\frac{a}{2\pi-6}(\pi-3)^2 - \frac{2a(\pi^2-9)}{\pi-3}$$

$$\frac{\partial}{2\pi - 6} (\pi - 3)^{2} - \frac{2\partial(\pi^{2} - 9)}{\pi - 3} = \frac{\partial(\pi - 3)^{2} - 4\partial(\pi^{2} - 9)}{2\pi - 6} = \frac{\partial(\pi^{2} - 6\pi + 9) - 4\partial(\pi^{2} - 9)}{2\pi - 6} = \frac{\partial(\pi^{2} - 6\pi + 9) - 4\partial(\pi^{2} - 9)}{2\pi - 6} = \frac{\partial(\pi^{2} - 6\pi + 9) - 4\partial(\pi^{2} - 9)}{2\pi - 6} = \frac{\partial(\pi^{2} - 6\pi + 9) - 4\partial(\pi^{2} - 9)}{2\pi - 6} = \frac{\partial(\pi^{2} - 6\pi + 9) - 4\partial(\pi^{2} - 9)}{2\pi - 6} = \frac{\partial(\pi^{2} - 6\pi + 9) - 4\partial(\pi^{2} - 9)}{2\pi - 6} = \frac{\partial(\pi^{2} - 6\pi + 9) - 4\partial(\pi^{2} - 9)}{2\pi - 6} = \frac{\partial(\pi^{2} - 6\pi + 9) - 4\partial(\pi^{2} - 9)}{2\pi - 6} = \frac{\partial(\pi^{2} - 6\pi + 9) - 4\partial(\pi^{2} - 9)}{2\pi - 6} = \frac{\partial(\pi^{2} - 6\pi + 9) - 4\partial(\pi^{2} - 9)}{2\pi - 6} = \frac{\partial(\pi^{2} - 6\pi + 9) - 4\partial(\pi^{2} - 9)}{2\pi - 6} = \frac{\partial(\pi^{2} - 6\pi + 9) - 4\partial(\pi^{2} - 9)}{2\pi - 6} = \frac{\partial(\pi^{2} - 6\pi + 9) - 4\partial(\pi^{2} - 9)}{2\pi - 6} = \frac{\partial(\pi^{2} - 6\pi + 9) - 4\partial(\pi^{2} - 9)}{2\pi - 6} = \frac{\partial(\pi^{2} - 6\pi + 9) - 4\partial(\pi^{2} - 9)}{2\pi - 6} = \frac{\partial(\pi^{2} - 6\pi + 9) - 4\partial(\pi^{2} - 9)}{2\pi - 6} = \frac{\partial(\pi^{2} - 6\pi + 9) - 4\partial(\pi^{2} - 9)}{2\pi - 6} = \frac{\partial(\pi^{2} - 6\pi + 9) - 4\partial(\pi^{2} - 9)}{2\pi - 6} = \frac{\partial(\pi^{2} - 6\pi + 9) - 4\partial(\pi^{2} - 9)}{2\pi - 6} = \frac{\partial(\pi^{2} - 6\pi + 9) - 4\partial(\pi^{2} - 9)}{2\pi - 6} = \frac{\partial(\pi^{2} - 6\pi + 9) - 4\partial(\pi^{2} - 9)}{2\pi - 6} = \frac{\partial(\pi^{2} - 6\pi + 9) - 4\partial(\pi^{2} - 9)}{2\pi - 6} = \frac{\partial(\pi^{2} - 6\pi + 9) - 4\partial(\pi^{2} - 9)}{2\pi - 6} = \frac{\partial(\pi^{2} - 6\pi + 9) - 4\partial(\pi^{2} - 9)}{2\pi - 6} = \frac{\partial(\pi^{2} - 6\pi + 9) - 4\partial(\pi^{2} - 9)}{2\pi - 6} = \frac{\partial(\pi^{2} - 6\pi + 9) - 4\partial(\pi^{2} - 9)}{2\pi - 6} = \frac{\partial(\pi^{2} - 6\pi + 9) - 4\partial(\pi^{2} - 9)}{2\pi - 6} = \frac{\partial(\pi^{2} - 6\pi + 9) - 4\partial(\pi^{2} - 9)}{2\pi - 6} = \frac{\partial(\pi^{2} - 6\pi + 9) - 4\partial(\pi^{2} - 9)}{2\pi - 6} = \frac{\partial(\pi^{2} - 6\pi + 9) - 4\partial(\pi^{2} - 9)}{2\pi - 6} = \frac{\partial(\pi^{2} - 6\pi + 9) - 4\partial(\pi^{2} - 9)}{2\pi - 6} = \frac{\partial(\pi^{2} - 6\pi + 9) - 4\partial(\pi^{2} - 9)}{2\pi - 6} = \frac{\partial(\pi^{2} - 6\pi + 9) - 4\partial(\pi^{2} - 9)}{2\pi - 6} = \frac{\partial(\pi^{2} - 6\pi + 9) - 4\partial(\pi^{2} - 9)}{2\pi - 6} = \frac{\partial(\pi^{2} - 6\pi + 9) - 4\partial(\pi^{2} - 9)}{2\pi - 6} = \frac{\partial(\pi^{2} - 6\pi + 9) - 4\partial(\pi^{2} - 9)}{2\pi - 6} = \frac{\partial(\pi^{2} - 9)}{2\pi - 6}$$