## Nome: Rafael Rocha da Silva

$$(9)b) \int_{2}^{3} 2x - 6 - (x^{2} - 3x) = \int_{2}^{3} -x^{2} + 5x - 6 dx$$

$$-\frac{x^{3} + 5x^{2} - 6x}{3} |_{2}^{3} = \frac{1}{3} + \frac{45 - 18 - 8 + 20 - 1}{3}$$

$$-\frac{27 + 8 + 45 - 20 - 18 + 12 = -19 + 25 - 6}{3}$$

$$-\frac{38 + 75 - 36}{6} = \frac{-74 + 75}{6} = \frac{1}{6}$$







