$$\int_{1}^{3} \frac{3}{4} x^{2} + \lambda = \left[\frac{3}{3} x^{3} + \lambda x \right]_{1}^{3} = \left[0.26 x^{2} + \lambda x \right]_{1}^{3}$$

$$\int_{1}^{3} \frac{3}{4} x^{2} dx = \begin{bmatrix} \frac{2}{3} \\ \frac{3}{3} \end{bmatrix}$$

$$= (0.25 \cdot 3^3 + 1.3) - (0.25 \cdot 1^3 + 1.1)$$

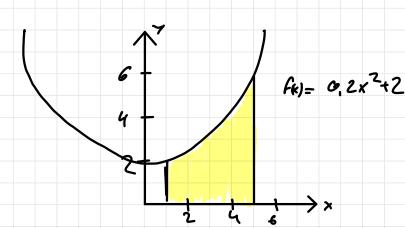
$$= \frac{17}{2} = \frac{8.5}{1,-2}$$

$$\int_{2}^{2} -xH - 3x^{2} + 4 = \left[\frac{1}{5}x^{5} + x^{3} + 4x \right]_{2}^{2}$$



$$I_{0} = \left(\frac{3^{4}}{3} \cdot S^{3} + 2 \cdot S\right) - \left(\frac{3^{2}}{3} \cdot A^{3} + 2 \cdot A\right)$$

$$= 16.26$$



c)
$$\int_{1}^{5} x^{3} + 1 dx = \left[\frac{3}{4}x^{4} + x^{3}\right]_{1}^{5}$$

d)
$$\int_{1}^{5} - \frac{3}{4} x^{2} + 27 \text{ cl} \times = \left[-\frac{3}{12} x^{3} + 27 x \right]_{1}^{5}$$

$$4 \int_{0}^{5} - \frac{3}{4} x^{2} + 27 \text{ cl} \times = \left[-\frac{3}{12} x^{3} + 27 x \right]_{1}^{5}$$

S.222 nr.1 T(x)= 3x3+ 3x2-10x e) f(x)=x2+3x-10 T(x)= 2x4+ 5x3+ 2x2 6) (Fx)= 2x3+8x2+8x $T(x) = (\frac{1}{3}x^3 - 4x)(\frac{1}{2}x - 4x)$ c) (x2-4)(x-4) Dei dieser teffabe wesste ich nicht geneu was ich machen soll. Ich hobe die ausgangs Funktion aufgeleitet und danach wusste ich nicht weiter.