27.3.20

a)
$$f(x) = \frac{1}{2} x^{2} - 3x$$

 $f(x) = \frac{1}{2} (x^{2} - 6x + 60)$

$$\begin{array}{l}
x_1 = 0 \\
y_2 = 6
\end{array}$$

$$\begin{array}{l}
6 \left(\frac{1}{2}x^2 - 3x\right) dx \left[\frac{6.5}{3}x^3 - \frac{2}{2}x^2 + c\right]_0^6 \\
\left(\frac{6.5}{3} \cdot 6^3 - \frac{2}{2} \cdot 6^2 + \alpha\right) - \left(\frac{6.5}{3} \cdot 0^3 - \frac{2}{2} \cdot 0^2 + \alpha\right)
\end{array}$$

$$\left(36 - 54\right) - \left(6 - 6\right)$$

