

1) Let $f(x) = x + 3$. Find and simplify:

$$\frac{f(x) - f(a)}{x - a}$$

2) Find $\log_9(81)$

3) A graph of $f(x)$ is given below. On the same axis, sketch a graph of $y = -\frac{1}{2}f(x) + 1$.

