

Calculus stuff:

The function $f(x) = (x - 3)^2 + \frac{1}{2}$ has domain $D_f : (-\infty, \infty)$ and range $R_f : [\frac{1}{2}, \infty)$

$$\lim_{x \rightarrow a} \frac{f(x) - f(a)}{x - a} = f'(a)$$

$$\int \sin x \, dx = -\cos x + C$$

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