

Definition 1. Define the function C by the formula $C(y) = \begin{cases} 8y - 3 & -6 \leq y \leq -3 \\ -(y - 2)^2 + 1 & -1 \leq y < 4 \\ \frac{y - 5}{y + 1} & 4 \leq y < 8 \end{cases}$

Exercise 1 • Evaluate $C(-5) =$

• Evaluate $C(-3) =$

• Evaluate $C(0) =$

• Evaluate $C(4) =$

• Evaluate $C(8) =$

Enter DNE if the value does not exist.

Exercise 2 • Evaluate $C(-\sqrt{10}) =$

• Evaluate $C(-\pi) =$

• Evaluate $C(-2) =$

• Evaluate $C\left(\frac{3}{4}\right) =$

• Evaluate $C(2 + \sqrt{3}) =$

• Evaluate $C(\pi^2) =$

Enter DNE if the value does not exist.