

59 To find the maximum and minimum values of C in the region we must evaluate C at each of the vertices. These values are shown in the table.

Vertex	$C = 10y$
$(1, 0)$	$10(0) = 0$
$(7, 6)$	$10(6) = 60$
$(7, 9)$	$10(9) = 90$
$(1, 10)$	$10(10) = 100$

From the table the maximum is 100 and the minimum is 0.