Straight Rectangular Fin Uniform Cross Section Calculator		
convection heat-transfer coefficient h =	10.0000	W / m^2-K)
fin thermal conductivity k =	1.9000	W / m-K)
temperature at base of fin T_b =	309.00	K
fluid temperature T_∞ =	297.00	K
Width w =	0.03940	m
Thickness t =	0.39400	m
Length L =	0.05060	m
Results Straight Rectangular Fin		
perimeter of cross section P =	0.86680	m
fin cross-sectional area A_c =	0.01552	m^2
corrected length of fin L_c =	0.06851	m
m =	17.1430	-
Rate of heat transfer Q =	5.00994	W

Cylindrical Pin Uniform Cross Section Calculator		
convection heat-transfer coefficient h =	10.0000	W / m^2-K)
fin thermal conductivity k =	1.9000	W / m-K)
temperature at base of fin T_b =	309.00	K
fluid temperature T_∞ =	297.00	K
Diameter D =	0.05000	m
Length L =	0.26000	m
Results Cylindrical Straight Fin		
perimeter of cross section P =	0.15708	m
fin cross-sectional area A_c =	0.00196	m^2
corrected length of fin L_c =	0.27250	m
m =	20.5196	-
Rate of heat transfer Q =	0.91859	W