

Chapter3_example5

Solution to part (a)

The cross sectional area is $3.409e-04$ sq.ft and Perimeter is $6.545e-02$ ft

The value of Product mL is 10.60

Solution to part (b)

The value of K is 9.0213

A Comparison of Exact to Numerical Results for the Data of Example 3.5

z,in	Exact (e) T	Numerical (n) T	Percent error (e - n)/e
0.0	200.00	200.00	0.00
1.5	77.33	82.82	-7.10
3.0	68.66	69.68	-1.49
4.5	68.05	68.19	-0.21
6.0	68.01	68.04	-0.05