

Question 1: Model Solution

The right print out is: (a) $0.3755500E+02$ $0.5281300E+01$ (b) $0.3755500E+02$ $0.5281300E+01$ (c) $0.3755500E+02$ $0.5281300E+01$ (d) $0.3755500E+02$ $0.5281300E+01$	(a) $X=(\log(\text{abs}(\exp(-X))))*(\log(\text{abs}(1.0/\text{sqrt}(\cos(y))))))$ (b) $X=(\log(\text{abs}(\exp(-X))))*(\log(\text{abs}(1.0/\text{sqrt}(\cos(y))))))$ (c) $X=(\log(\text{abs}(\exp(-X))))*(\log(\text{abs}(1.0/\text{skrt}(\cos(y))))))$ (d) $X=(\log(\text{abs}(\exp(-X))))*(\log(\text{abs}(1.0/\text{sqrt}(\cos(y))))))$
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(ii)

THE OUTCOME
(a) True (b) False
(a) True (b) False

(iii)

The right print out is: (a) N=1 (b) N=-1 (c) N=0 (d) Syntax Error	The right print out is: (a) N=4 (b) N=5 (c) N=6 (d) Syntax Error
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Question 3: Model Solution

Program Rented_Car_cost

Real :: Km_travelled, Cost, Avg_cost

Read, Km_travelled*

If (Km_travelled .LE. 100) THEN

*Cost= Km_travelled*0.5*

Else if ((Km_travelled .LE. 300) THEN

*Cost= 100*0.5+(Km_travelled-100)*0.3*

Else

*Cost= 100*0.5+200*0.3+(Km_travelled-300)*0.2*

End if

Avg_cost=Cost/ Km_travelled

Print, Km_travelled, Cost, Avg_cost*

Stop

End Program Rented_Car_cost