74 x A = P	- (0.78)(20) ×	25	AssignmentI		
E = 0.78					
6 A= 20	= 15.6 × 62	. 0	4		
AT = 25	= 975 W				
L: 0.4					
	5.9				
	9.0				
$Q = T_1 - T_2$	\dot{\dot{\dot{\dot{\dot{\dot{\dot{				
Rway					
Rway = L	= 0.4	==	0.025641		
	0.78×20	15.0			
6 L= 0.4 K= 0.78	3 25	976 560 5			
A = 20	0.0204	976.5625	Y		
	Q= 25	975.000975	\vee		
Conductive Heat to	nife.				
- Conduction means the the temporare inside is his theat temporare through a - CQ is the energy (1)	at transfer through E gre Itan tempatreauts Luciel is are dir vale pertine (s) u	shich is Paul	mple theward). Ite x direction) (agomtical poperty)		
the equation to kr	nas the railey Chance	zei			
this Shows	= dEuree Ra	to of change	. meach.		
thu Shows how	J	F = dEnery	occools the wal		
heath going's	gorgout	at	>0 monestis		
* Heat transfer Q(W)	Is intex-direction		ane (wall) of tempale		
* Heat transfer Q(W) is in the x-direction of I to the plane (wall) of tempole difference. * Fourier's Law of Heat Conduction where: Q = Conductive heart tonife (vale of stoody heart Conduction throughouse) route. Q Cond. wall = -KA to W					
a Cend. wall	dx W				
K = meaner how Corductive the nation is, transfering heat					
A = Aca of material, area 1 to the head transfer direction.					
the summental His a homogenaus Chage.					
dx 3			aned by CamScanner		

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Dimplified Concl	usion of fariels law		
	= KA Ti-T2 =		
	1) 4 noteial		
		material, the less	the reat transfe
(thou	are propolional &	one onethe).	
* that to	onsper thoughte w	all is Propohonal t	o the Area.
* A150	proportioned to the	e difference g ten	o the Area. Apatre & Conductivil (k)
& Conduction where	ity: willingness of a it inversely prop naterial the less he	natical to transe ottonel to the thicker out goes through the	rheat 1 -> the thicker
			6

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