## CSC 4-151 Discrete Mathematics for Computer Science Quiz 7 December 18, 2014 Solution

name

1. (2 pt. each) For each of the following relations, tell whether or not they are reflexive,
symmetric, or transitive, by putting a T or F in the appropriate slot. Following your
answer, briefly justify each.

a. The proper subset relation ⊂	on $P(\{1,2,3\})$ .
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F Ref	lexive F	Symmetric		Transitive
€13¢ €1	3 E3	CE123 out 23 4 813	A	CBABCC.

b. The divides relation	on the set	{1,2,,	8}.
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	Reflexive	Symmetric	z Transitive
Ya, a	1a	01/2 out 2/1	alb Ablc alc