

1.	Identify the Venn diagram in which shaded area represents the 'Some triang isosceles triangles -	les are not isosceles', Where T is a set of all triangles and I is the set of all
	(1) mathongo /// mathongo /// mathongo	(2) Mathongo
	mathongo /// mathongo /// mathongo /// mathongo	(4) mathons // mathong
2.	Given $n(A) = 11$, $n(B) = 13$, $n(C) = 16$, $n(A \cap B) = 3$, $n(B \cap C) = 6$	
	(1) 4 longo /// mathongo /// mathongo /// mathongo (3) 13	(2) 7athongo /// mathongo /// mathongo /// mathongo /// n (4) 23
3.		hysics, 60 take Chemistry, 50 take Mathematics & Physics, 50 take Mathematics &
		& Chemistry, then the number of students who have taken exactly one subject is
	(1) 42	(2) 56
	(3) 270	(4) 98 W. mathongo /// mathongo /// mathongo /// n
4.	The number of elements in the set $ig\{(a,\ b): 2a^2+3b^2=35,\ a,\ b\in Zig\}$, w	here Z is the set of all integers, is
	(1) 2	(2) 4
14. <u>-</u>	(3) 8 mathongo /// mathongo /// mathongo	(4) 12 mothongo /// mathongo /// mathongo /// mathongo /// mathongo /// mathongo
5.	1 ((, ,))	
	(1) Reflexive only (3) Symmetric only mathons and mathons are mathons and mathons are mathons and mathons are math	(2) Transitive only (4) Reflexive and symmetric only (5) Mathonso (6) Mathonso (7) Mathonso (8) Mathonso (9) Mathonso (10) Mathonso (11) Mathonso (12) Mathonso (13) Mathonso (13) Mathonso (14) Mathonso (15) Mathonso (16) Mathonso (17) Mathonso (18) Mathonso (
		(4) Reflexive and symmetric only
6.	Let P be the relation defined on the set of all real numbers such that $P = \{(0, 1) \mid P = \}$	(2) symmetric and transitive but not reflexive
	(3) reflexive and transitive but not symmetric	(4) an equivalence relation
7.		()
111	(1) Reflexive but not symmetric /// mathongo /// mathongo	(2) Symmetric but not transitive mathongo mathongo mathongo mathongo mathongo
	(3) Symmetric and transitive	(4) None of these
8.	Let $R = \{(3, 3), (6, 6), (9, 9), (12, 12), (6, 12), (3, 9), (3, 12), (3, 6)\}$	be a relation on the set $A = \{3, 6, 9, 12\}$. The relation is
	(1) An equivalence relation was mathongs mathongs	(2) Reflexive and symmetric only mathongo mathongo mathongo mathongo mathongo
	(3) Reflexive and transitive only	(4) Reflexive only void
9.	A relation R is defined as $(x, y) \in R \Rightarrow x^y = y^x$ for $x, y \in I - \{0\}$, where	
	(1) reflexive but not symmetric	(2) symmetric but not reflexive
10	(3) reflexive and symmetric both	(4) equivalence relation
10.	. R is a relation from $\{11,\ 12,\ 13\}$ to $\{8,\ 10,\ 12\}$ defined by $y=x-3$. The (1) $\{(8,\ 11),\ (10,\ 13)\}$	(2) {(11, 18), (13, 10)} mathongo matho
	(1) \(\((10, 11), \((10, 13)\)\)\) (3) \(\{(10, 13), (8, 11)\}\)	(4) None of these
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