





14. Mr. Gauss paid a total of \$623 (including tax) for two airline tickets, one for an adult and the other for a child. If the airline gives a 25% discount on the child's ticket and the airport charges a \$21 tax per ticket regardless of type, what is the total cost of the child's ticket (including the airport tax)?

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N.	27.	7. When the polynomial $x^4 - 3x^3 - 7x^2 + 7x + 2$ is divided by $x + 2$, the quotient is $x^3 + Bx^2 + Cx + 1$. The value of $B + C$ is:					
	institut	a) -8	b) -2	c) 0	d) 2 milliule *	e) 10 e) 10	Mastitut s
₩.	28.	Consider the follow I) $x^2 + 1 = 0$ II) $x^2 - 2 = 0$ III) $x^2 + x = 1$	wing quadratic equ	ations: 波林塔塔	新林·诺·隆	At '3 PE	3 PC
×.		III) $x + x = 1$ IV) $x^2 - x = 2$ Which of these equ	= 0 = 0 uations, if any, has	two different real nu	mber solutions?	12 Cho	ie 1965
	mstitute	a) II, III, and IV ob) II, and IV onlyc) I, II and III only	nly	in the second second	the the state of t	the state of the s	matitut
9%). V	institut	d) I, II, III, IV e) none of these	1. 新林·诺·格	to the the the second second	新林省梯	A H 'S R.	3 PE
No.	29. A cottage at the beginning of the first year was worth \$25,000, but each year it lost ten percent of the value. Approximately how many years will pass before its value is reduced to \$2,500?						
	institut	a) 6.5 years	b) 9 years	c) 11 years	d) 22 year	rs e) 100 year	's
YK.	30.	 Baskins-Robbins offers 31 different flavors of ice cream. Suppose you wish to order a triple scoop, with each scoop a different flavor. How many different combinations of three flavors are possible? 					
	anstitutt 31.	a) 4,495 The sum of the roo	b) 8,990 ots of $x^4 - x^3 + 5x^3$	c) 13,485 $c^2 + 4 = 0$ is:	a) 26,970	e) none of the	se mytut
YK.		a) -1	b) 0	c) 1	d) 4	e) 5	S The
	32.1	If $(x+3)$ is a fact a) 3	or of $x^3 - 2kx + k$ b) -3 or 9	k^{2} , then <i>k</i> is: c) 3 or -9	d) -3	e) –9	Institute
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