

24A-1.	(-7.13 + 43.6) x 4.45	1=
24A-2.	(80.8 x 83.6) - (1890 - 2460)	2=
24A-3.	(-5.39 - π - 1.21 + 0.336) x (2.94)	3=
24A-4.	<u>6280 + 8740 - 2010</u> (-4.8)(2.59)(-4.35)	4=
24A-5.	$\frac{\{(778 - 677 + 1240)/(-521)\}}{\{(233)(-353)/(561)\}}$	5=
24A-6.	What is 4710 divided by 9.82?	6=
24A-7.	What is the cube root of the result of 41.9 minus 17.8π ?	7=
24A-8. be print	A printer prints one page every 6 seconds. How many pages can ed in 4 minutes?	8= <u>integer</u>



24A-11. (-	$\frac{-95.3}{-28.1} + (-65.7)(-53.4)$ -10.5 + 3.39 - (-8.58)(0.468)	11=
24A-12. (($\frac{5.64 + 4.69}{(0.107)(9.68)(1.47\times10^{-6})} + (846 + 7370)(830 - 576)$	12=
24A-13. (-	$\frac{-0.735)(224 - 201)\{-57.8 - (-9.99)(3.69)\}}{(6.89 + 6.39)(4.82 - 15.1)} $	13=
24A-14. ($\frac{13.6 + 13.3}{(5.56 + 6.76)(13.2 - 67)}{(-1.39 + 1.2)(\pi)\{(-7.81)/(-0.0638)\}}$	14=
24A-15. 2	$\frac{5400 + 1.41 \times 10^{5} - (19100 + 41400)(2.22 - 1.55)}{(-631)(-786)(961)(754 - 2060 + 6880)} $	15=
24A-16. Mar grocery stor \$5.71; chee How much d	rilyn wants a ham and cheese sandwich on rye. She goes to the re to buy the ingredients: lettuce, \$1.64; tomato, \$1.10; ham, se, \$3.10; bread, \$4.14, mayonnaise, \$1.46, and relish, \$2.78. did she spend on groceries?	16=\$
24A-17. The 232.8 million involved in a accident ann annually?	ere are 2 million car accidents each year. On average there are n licensed drivers. Assuming on average that 1.79 cars are an accident and no drivers are involved in more than one nually, what fraction of drivers are involved in a car accident	17=%
24A-18. Hali How many t 7,500 gallon	f of the US 332 million population drink 12 oz of coffee daily. anker trucks would this represent, if a tanker truck capacity is ns?	18=



24A-21.
$$\frac{1}{2.95 + 4.6} + \frac{1}{\pi - 18.2} + \frac{1}{(5.37)}$$
 21= ______24A-22. $\frac{-0.638 + 1/(-1.39)}{1/(0.589) + 1.76} + \frac{1}{(-2.25)}$ 22= _____22= ____224A-23. $[-90.4 + \sqrt{6130}]^2 \times [487 + 1250]^2 \times \sqrt{0.858/0.269}$ 23= _____22= ____24A-24. $(14.4)(5.26) + \sqrt{(779)/(6.41)} + [(0.54)(6.9)]^2$ 24= _____224A-25. $\left[\frac{4.57 + 3.88 + \sqrt{0.91/0.126}}{-8.84 + 8.39}\right]^2$ _____25= ____225= ____224A-26. An uninflated spherical 15 in diameter balloon is inflated at a constant volume rate. If it was 6 in in diameter after 2 s, what is the total time required to completely fill the balloon? _____25 what is the total time required to completely fill the balloon? _____26 what is the total time required to completely fill the balloon? ______26 = ______26 = ______26 = ______26 = ______27 = ______27 = _____27 = _____27 = _____27 = _____27 = _____27 = _____27 = _____27 = _____27 = _____27 = _____27 = _____27 = _____27 = __

percent change in volume? ------ 28=______





24A-37. Ninety percent of Cobalt-60 decays in 17.48 yr. What is its half life? 37=______ yrs

24A-38. A bulldozer scoop holds 2 cubic yards of dirt. Because the dirt is muddy, 15% of the dirt in the first scoop permanently adheres to the scoop, reducing its capacity. For the second scoop, 15% of dirt in the remaining capacity permanently adheres. This loss of capacity continues for subsequent scoops. What is the most dirt the bulldozer can deliver before the scoop is completely filled with mud? ------ 38= <u>cu. yd</u>



24A-41.	$\frac{10^{-(3.46-4.9)}}{0.348+0.229}$	41=
240-42	0.0864 = 0.832 + (0.0822) = -0.122	42=
240-43	$(-8.32)\log \int (\pi)(0.544 \pm 1/0.835)$	/3-
244-43.	$(-0.52)LOg \{ (\pi) (0.544 + 1/0.055) \}$	+J
24A-44.	$(2.25)^{3} + (12.4 - 2.5)^{2.11}$	44=
24A-45.(d 24A-46. A	box can hold 850 rocks that are 0.73 in long. How many 0.03	45=
in long gra	hins of sand could be poured into the empty box?	46=
Population million), (2	data are (1990, 8.95 million), (2000, 11.2 million), (2010, 15.5 2020, 21.2 million). Estimate the year when the population	
becomes 3	30 million people	47= <u>integer</u>

24A-48. (rad) For what nonzero negative value of p does (6p)sin(p/ π) = p⁴? - 48=_____





24A-58. Calculate the product of the determinants of $\begin{bmatrix} -3 & 7 \\ 14 & 9 \end{bmatrix}$ and $\begin{bmatrix} 4 & -12 \\ 2 & 17 \end{bmatrix}$. --- 58=______



24A-61. Phyllis drives at 55 mph from Hondo to Brenham. How fast should she drive back to Hondo if she wants to average 62 mph for the entire trip? ------ 61= mph 24A-62. What is $614,601^{-4},323$? ------ 62=



$$24A-66. \frac{\left\{e^{-(0.827)(0.999)}\right\}}{\sqrt{e^{(80.3)(0.158)} \times (1/e^{(9.45)})}} - 66= -$$

24A-1	= 162 = 1.62×10^2	24A-11	= -2000 $= -2.00 \times 10^3$	24A-21	= 0.252 = 2.52x10 ⁻¹
24A-2	= 7320 = 7.32×10^3	24A-12	$= 8.87 \times 10^{6}$	24A-22	= -0.837 $= -8.37 \times 10^{-1}$
24A-3	= -27.7 = -2.77x10 ¹	24A-13	= -2.59 = -2.59x10 ⁰	24A-23	= 7.90x10 ⁸
24A-4	= 241 = 2.41x10 ²	24A-14	= 244 = 2.44x10 ²	24A-24	= 101 = 1.01×10^2
24A-5	= 0.0176 = 1.76×10 ⁻²	24A-15	$= 4.74 \times 10^{-8}$	24A-25	= 613 = 6.13x10 ²
24A-6	= 480 = 4.80×10 ²	24A-16 24A-17	= \$19.93 = 1.54	24A-26	= 31.3 = 3.13x10 ¹
24A-7	= -2.41 = -2.41×10 ⁰	24A-18	$= 1.54 \times 10^{0}$ = 2080	24A-27	= 3.772 = 3.772x10 ⁰ (4SD)
24A-8	= 40 integer	24A-19	= 2.08×10 ³ = 425	24A-28	= 6.06 = 6.06x10 ⁰
24A-9	= 108 = 1.08×10 ²	24A-20	$= 4.25 \times 10^2$ = 1.24	24A-29	= 1180 = 1.18×10^3
24A-10	= 47.6 = 4.76×10 ¹		$= 1.24 \times 10^{0}$	24A-30	$= 3.54 \times 10^{-7}$

24A-31	= 0.132 $= 1.32 \times 10^{-1}$	24A-41	= 47.7 = 4.77x10 ¹	24A-51	= 4.27 = 4.27×10 ⁰	24A-61	= 71.0 = 7.10x10 ¹
24A-32	$= 0.0101$ $= 1.01 \times 10^{-2}$	24A-42	= 0.271 = 2.71x10 ⁻¹	24A-52	= 411,000 = 4.11×10 ⁵	24A-62 = 8	.15×10 ^{-25,025}
24A-33	= 5.27×10 ⁻⁹	24A-43	= -6.14 = -6.14x10 ⁰	24A-53	= 0.000245 = 2.45×10 ⁻⁴	24A-63	= 6.27 = 6.27×10 ⁰
24A-34	= 0.170 = 1.70x10 ⁻¹	24A-44	= 138 = 1.38×10 ²	24A-54	= -2.80 = -2.80x10 ⁰	24A-64	= 0.00460 = 4.60×10 ⁻³
24A-35	= 2.24x10 ⁻⁸	24A-45	= 0.000504 = 5.04×10 ⁻⁴	24A-55	= 4.53 = 4.53×10 ⁰	24A-65	= 445 = 4.45x10 ²
24A-36	= 17.1 = 1.71x10 ¹	24A-46	= 1.22×10 ⁷	24A-56	= 2.33	24A-66	= 1.24
24A-37	= 5.26 = 5.26x10 ⁰	24A-47	= 2043 integer	24A-57	= 2.33×10° = 13.7	24A-67	$= 1.24 \times 10^{\circ}$ = -0.354
24A-38	= 11.3	24A-48	= -1.36 1.26/100		= 1.37x10 ¹		= -3.54x10 ⁻¹
	= 1.13×10 ¹	24A-49	= -1.30X1U ⁻ = 272	24A-58	= -11500 = -1.15x10 ⁴	24A-68	= -0.479 = -4.79x10 ⁻¹
24A-JY	= 2.26x10 ⁰) - - -	= 2.72×10 ²	24A-59	= 343 = 3.43×10 ²	24A-69	= 0.285
24A-40	= 5.71 = 5.71x10 ⁰	24A-50	= 0.232 = 2.32x10 ⁻¹	24A-60	= 0.165 = 1.65×10- ¹	24A-70	$= 2.85 \times 10^{-1}$ $= -0.00670$ $= -6.70 \times 10^{-3}$