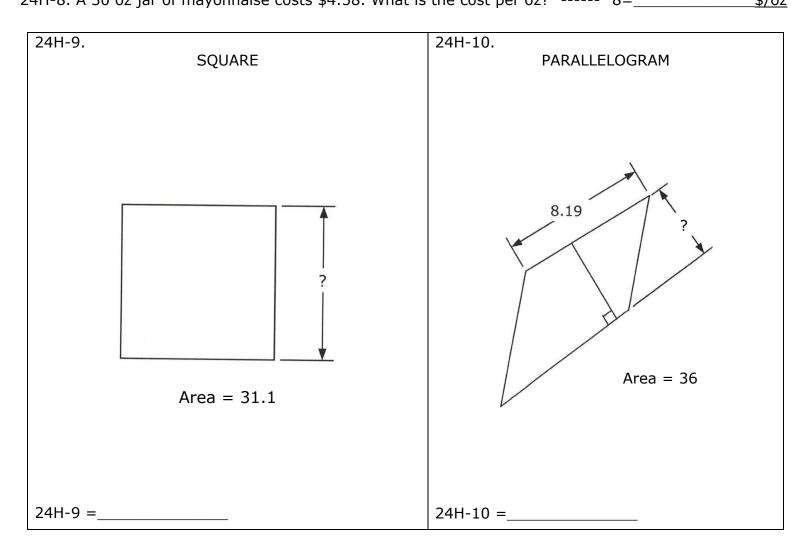


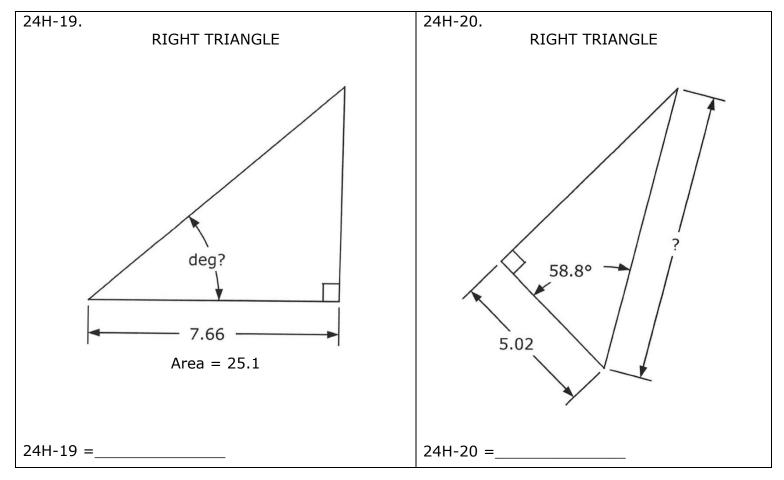
24H-1.	(-48.4/9.14) + 1.62	1=
24H-2.	(0.716 + 0.00641) x (-0.748) - 0.554	2=
24H-3.	(0.0199 - 0.0192 + 0.0322 + 0.015)/(0.643)	3=
24H-4.	<u>3770 + 9780 - 5570</u> (-9.31)(3.32)(5.57)	4=
24H-5.	$\frac{94300 + 48600}{(636)(-642)(-168)} + 0.00779 - 0.00336$	5=
24H-6.	What is the result of subtracting 642 from $693\sqrt{2}$?	6=
24H-7.	What is the positive square root of the product of 7.37 and 0.391?	7=
24H-8.	A 30 oz jar of mayonnaise costs \$4.58. What is the cost per oz?	8= <u>\$/oz</u>



Page 24H-2

24H-11.	$\frac{(-724 + 228)(-494 + 1720)}{(\pi)(0.152)(3710 - 5150)}$	- 11=		
24H-12.	$\frac{-1.83 + 1.15}{(0.757)(1.49)(-6.83 \times 10^{-7})} + (879 + 1570)(510 - 277) \dots$	- 12=		
24H-13.	$\frac{(-3.58 \times 10^{-5} - 4.79 \times 10^{-5})\{9.19 + (5.84)(0.548)\}}{(7.73)(-0.584 + 0.22)(-0.365)(1.64)}$	- 13=		
24H-14.	$\frac{(8470 + 1850 - 1680)(0.00795 + 0.0125 - 0.00583)}{(\pi - 1.62)(9.12)(8.72 - 5.58)}$	- 14=		
24H-15.	$\frac{(0.612 + 2.25)}{7.27 - 8.13} + \frac{-0.725}{98.8 + 263} + \frac{(0.833)(669 - 637)}{(-187)(0.137)} $	- 15=		
24H-16. A lawyer charges \$350/hr. Trial prep requires 78 hr of legal time, and the trial is three 8-hr days. How much are the legal fees? $16=\frac{1}{2}$				
24H-17. The world land speed record was set by Andy Green driving a twin turbofan jet-powered car. The speed was <u>763.035</u> mph over one mile in October 1997. How long would it take to travel 1 mi at this speed? 17= <u>s(SD)</u>				
24H-18. The product of two consecutive, odd, negative numbers is				

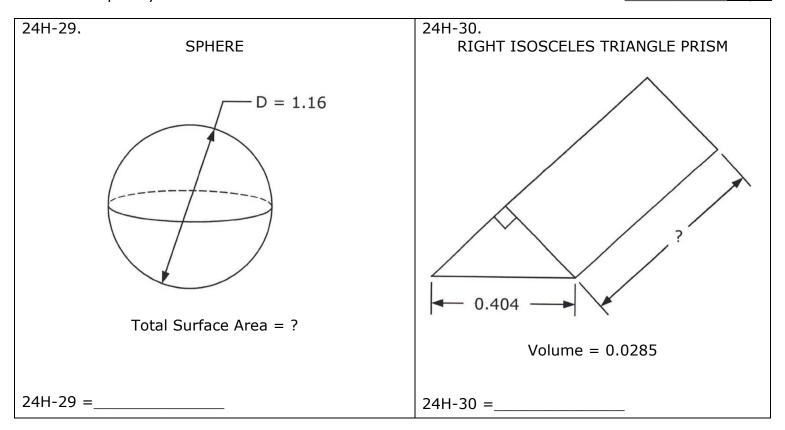
20,735. What is their sum? ------ 18= integer



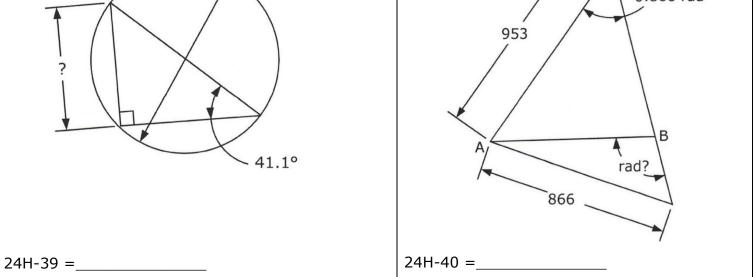
Page 24H-3

24H-21.	$\frac{2.87 + 1/(0.318)}{1/(0.336) + 7.13} + \frac{1}{(0.451)}$	21=	
24H-22.	$\left[\frac{\sqrt{1.35 - 0.138}}{5.94} + \frac{(0.807)}{7.36}\right]^2 \dots$	22=	
24H-23.	$(-149)(-0.394) + \sqrt{(2650)/(9.56)} + [(0.727)(\pi)]^2$	23=	
24H-24.	$\frac{\sqrt{0.819 + 0.221 + (0.266)/(0.423)}}{0.909 + 0.126}$	24=	
24H-25.	$\left[\frac{2.34 + 1.35 + \sqrt{0.553/0.349}}{245 + 245}\right]^2$	25=	
teaspoons assuming t	study found that American adults consume an average of 17 of added sugar every day. What is the percent error in this totals to 60 lbs of sugar per adult annually? The density of 59 g/cm ³ .	26=	<u>%</u>
takes her 1 at some po	enny hand paints an 8-ft section of fence in 1.1 hr, but it only 13 min to spray paint it. She started painting a 147-ft fence but pint gave up and switched to spray painting, completing the in 10 hr. What fraction of the fence was hand painted?	27=	<u>%</u>
and 0.25 ir	n 11-in long candle is tapered, 0.5 in in diameter at the bottom n in diameter at the top. What is the positive burn rate if the	20	

candle is completely consumed in 8 hr? ----- 28=_____ in³/hr

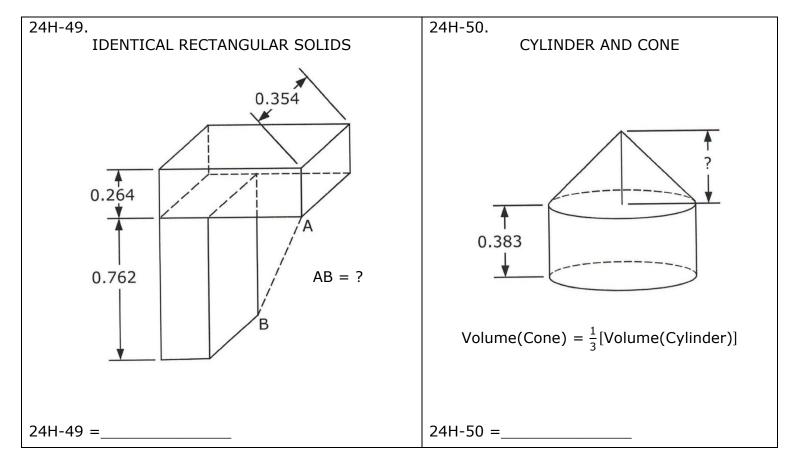


Page 24H-4				
24H-31. $\sqrt{\frac{1/(577 - 299)}{(544)(1.58 + 0.735)^2}}$ + $(-7.00 \times 10^{-6})^2 (9.26 \times 10^6)$ 31=				
24H-32. $\frac{(-9.07 + 10.1)^2}{\sqrt{40.5 - 28.5}} + \frac{1}{\sqrt{4.75 + 7.88}}$				
24H-33. $\frac{\sqrt{(0.239)/\{(0.233)/\sqrt{0.145}\}}}{0.0905 + (0.767)(8.28)} + \{0.00236 + 0.00939\}^{1/2} 33=$				
24H-34. $\frac{[3.57 \times 10^{-5} / (0.779 + 0.274) + 1 / (26700)]^{1/2}}{(97400 + 1.59 \times 10^{5})^{2} \times \sqrt{6.36 \times 10^{5} - (-95200)}}34 = $				
24H-35. $\frac{\frac{1}{-19.5} + \frac{-6010}{(296 + 226)^2} - \frac{\sqrt{2.89 \times 10^8}}{(-879)^2}}{(-879)^2} - \frac{\sqrt{2.89 \times 10^8}}{(-879)^2}$				
24H-36. A car drives at 31 mph. It passes a parked car. After a 5 s delay, the parked car accelerates at a constant value. It catches up to the moving car 0.424 mi from where it was parked. What was the parked				
car's acceleration? $36 = \frac{ft/s^2}{2}$				
24H-37. Centrifugal force F equals $m\omega^2 R$, where ω is the angular velocity of a mass m moving along an arc of radius R. If a 3500-lb _m car traveling at 50 mph skids when the centrifugal force equals 600 lb _f , what is the				
turning radius to initiate the skid? 1 lb _f = 32.174 lb _m ft/s ² $37=$ <u>ft</u>				
24H-38. What is the length of the line segment defined by the intersection				
of the line $y = -3x+4$ and the circle $x^2+y^2 = 236$?				
24H-39. 24H-40. RIGHT TRIANGLE AND CIRCUMSCRIBED CIRCLE SCALENE TRIANGLES				
D = 0.0567 AB = 740				
953 0.866 rad				



24H-41.	10 ^{-{(0.62 - 0.681)/(0.619 + 0.547)}}	41=
24H-42.	$\frac{e^{+0.303} + e^{-0.675}}{(6.56 \times 10^{-6} + 2.72 \times 10^{-4})}$	42=
24H-43.	<u>0.525 - 0.839</u> Log(0.0309 + 0.00757)	43=
24H-44.	$(0.261)^3 + (16.6 - 14.6)^{0.609}$	44=
24H-45.(d	deg)	45=
same area	How many 8-ft long beach towels are needed to just cover the a as 25 5-ft bath towels? Assume towels have similar shape and may be cut to fit the area.	46= <u>integer</u>
income fr	A gift shop ran an unadvertised sale for one week. Their daily om Monday through Thursday was \$255, \$410, \$425, and \$595, ely. Estimate the Friday income.	47= <u>\$</u>

24H-48. For what value of r greater than 1 does $r^{(r-3)} = 75.7?$ ------ 48=_____



Page 24H-6

