1:     $169 + 123 + 141$ --- 1=_____

2:     $318 + 589 - 630 + 911$ --- 2=_____

3:     $-246 + 577 + 390 + 569$ -- 3=_____

4:     $-91.9 + 6180 + 589 + 2420$ ------------------------------------- 4=_____

5:     $-1.32 - 6.32 - 83.5 + 9.38$ ------------------------------------- 5=_____

6:     $-5490 + 7870 - 692 + 80000 - 2940$ ----------------------- 6=_____

7:     $0.00179 - 0.0207 - 0.0711 + 0.764 - 0.787$ ------------------ 7=_____

8:     $-231 - 486 - 0.042 - 17.9 - 266$ ------------------------------ 8=_____

9:     $9.91 \times 8.41 \times 5.81$ --- 9=_____

10:     $0.64 \times 115 \times 0.116 \times 0.471$ --- 10=_____

11:     Find the sum of $1\frac{5}{7}$, $\sqrt{\pi}$, and 0.343. ------------------------------------- 11=_____

12:     Michaela played in six basketball game this year. She scored 4, 8, 10, 2, 5, and 9 points in these games. What was her average number of points she scored per game? --- 12=_____

13:     How many fluid ounces of oil are there in a 55-gallon barrel? [1 gallon = 128 fluid ounces] -- 13=_____fl oz

14:　　4230 + [291000 / 9.52 + 7690]　--- 14=_____

15:　　−0.801 − [0.984 + 0.0413 / π]　--- 15=_____

16:　　5.15 × 8.69 / π　-- 16=_____

17:　　$\left[\dfrac{793}{0.276}\right]$[0.00902 − 0.0286 + 0.0654]　---------------------------------- 17=_____

18:　　$\left[\dfrac{865}{4430}\right]$[620 − 13.6 − π + 579]　------------------------------------- 18=_____

19:　　$\left[\dfrac{-9.7 / \pi}{0.336 - 4.33}\right]${7.06 − 0.205 + 0.369}　--------------------------------- 19=_____

20:　　$\left(2.11 \times 10^6 + 5.52 \times 10^6\right)$ / 44.9　------------------------------------- 20=_____

21:　　$\left[\dfrac{(0.385)(8.64)}{(27.4)(0.573)} - 4.37\right]$(0.591 + 6.11)　-------------------------------- 21=_____

22:　　$\left[\dfrac{(-9820 + 8720)(9510 + 177)}{6.94 \times 10^5}\right]$(0.0942 − 0.0471)　-------------------- 22=_____

23:　　$\dfrac{(593 + 19700) - (-355 - 476)}{(4190 / 341)} - \dfrac{986}{9.15 - 6.76}$　----------------------- 23=_____

24:　　It takes a farmer 45 minutes to plow 5 acres of land. How long will it take to plow a rectangular field that is 3000 feet by 1200 feet? [1 square mile = 640 acres]　24=_____hr

25:　　Density is equal to mass divided by volume. The density of aluminum is 2700 kg/m^3. What is the mass of a solid 0.4 m cube of alumimum? --------------------- 25=_____kg

26:　　Tacos cost $1.87 each and burritos cost $2.43 each. What is the total cost of six tacos and eight burritos after 8.25% sales tax? --------------------------- 26=$_____

27: $\dfrac{6.5 \times 10^1}{2.71 \times 10^2} - \dfrac{7.55 \times 10^2}{9.31 \times 10^0} - 0.674$ ------------------------------------- 27=_____

28: $[0.0617 + (793)(0.00508)(0.0116)] - [-0.54 + 0.0332]$ ---------------- 28=_____

29: $(49.5)(199)(8.15)(2.90 - 6.21)(-0.0656 + 0.00590)$ ------------------- 29=_____

30: $\dfrac{1/5260}{1/\pi} + \dfrac{1/40900}{1/865}$ -- 30=_____

31: $\left[2.76 \times 10^{-1} - 6.6 \times 10^{-1}\right]\left(\dfrac{1}{9.5 \times 10^{-2}}\right)$ --------------------------------- 31=_____

32: $\left[\dfrac{(0.279) - (1/52.1)}{(1/0.183) - 1.81}\right](0.636)$ -- 32=_____

33: $1/(992 - 395 - 851) - 1/(75.7 - 57.9)$ ------------------------------- 33=_____
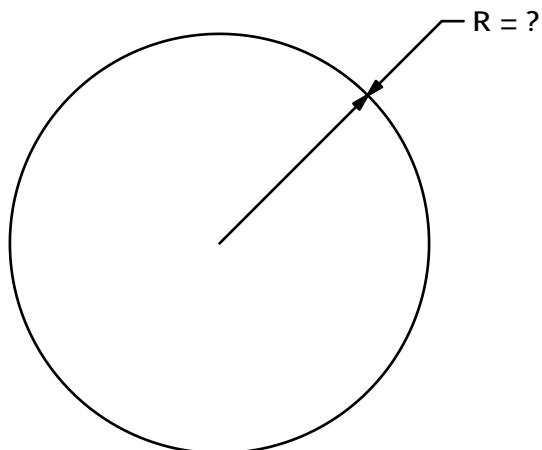
34: $\dfrac{1}{46400} - \dfrac{1}{4170} + \dfrac{1}{986000 - 79400}$ ------------------------------------- 34=_____

35: Carlita sells make-up online. One week, she earned a total of $457.38. The next week, she earned $521.06 in sales. What was the percent increase in sales? -- 35=_____ %

36: An 8.5 inch by 11 inch sheet of paper is cut with a single cut that started at one corner and ended 1 inch from the opposite corner along the longer side. What is the perimeter of the trapezoid formed by this cut? ----------------------------- 36=_____ in

---

37.   CIRCLE

R = ?

Circumference = 121

37. _____

---

38.   RECTANGLE

15.8

23.3

Perimeter = ?

38. _____

39:     $(7.75)^2 - (-3.21)^2 - (3.43 - 0.651)^2$ ----------------------------------- 39=_____

40:     $(9.78 + 8.85 - 6.77)^2 / (7.77 + 2.57 - 4.38)^2$ ------------------------- 40=_____

41:     $\sqrt{\dfrac{1240 + 67000}{5050 + 67400}}$ ------------------------------------- 41=_____

42:     $\sqrt{668} + \sqrt{\pi + 7.99} + \sqrt{6.03 + 672}$ ----------------------------------- 42=_____

43:     $(62.5)\sqrt{7230 - 687} + \sqrt{22.1 + 98.3}$ ----------------------------------- 43=_____

44:     $\sqrt{\dfrac{(41.4)(7.7)(6.86)}{(7.24)(4.68)}} - \sqrt{\dfrac{1}{496}}$ ------------------------------------- 44=_____

45:     $\dfrac{\left(1.11 \times 10^9 + 5.55 \times 10^7\right)^{1/2}}{2.9 \times 10^3} - (7.83)(938)$ -------------------------- 45=_____
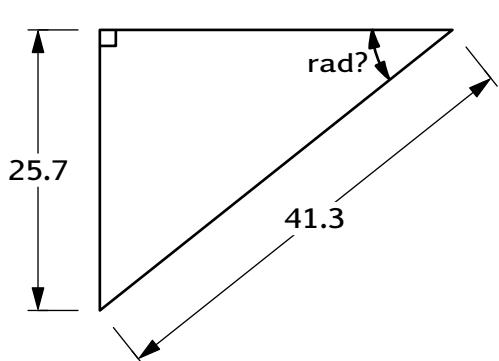
46:     $1/\sqrt{0.0335 + 0.0722} - 1/\sqrt{0.122 + 0.308}$ ----------------------------- 46=_____

47:     Bill's boss promises him a 2% raise of each of the next 4 years. If Bill makes $37,800 now, how much will he make per year after the 4 raises? ---------------- 47=$ _____

48:     The product of three consecutive integers is 314364. What is the sum of these integers? -- 48=_____ (integer)

49.   RIGHT TRIANGLE

25.7

41.3

rad?

49. _____

50.   RIGHT TRIANGLE

?

0.609

0.737
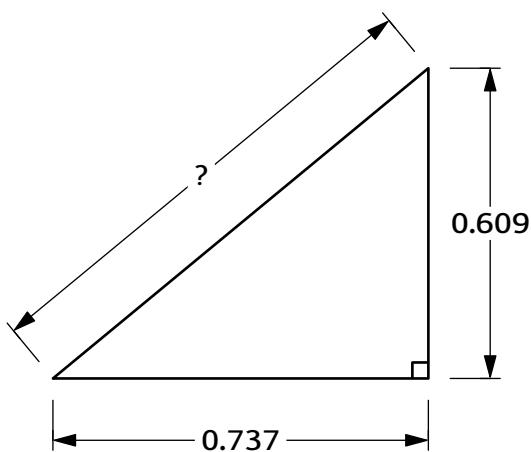
50. _____

51: $\dfrac{\sqrt{0.358} - \sqrt{0.0726}}{(0.0349 + 0.098 - 0.379)^2}$ --- 51=_____

52: $\dfrac{(0.478 - 0.0794)^3}{\sqrt{0.24}} - \dfrac{1}{1/0.947}$ --- 52=_____

53: $(7.22)^2 \sqrt{844 + 52500} - (1.98)^3 \sqrt{19700}$ --------------------------------- 53=_____

54: $(-9.25 + 2.18 - 0.727)^2 (0.981 + 1.76 - 9.16)^2$ ----------------------- 54=_____

55: $\sqrt{\dfrac{(0.00829) + (0.556)}{(-0.0021) - (-0.00645)}} - \dfrac{4.56 \times 10^3}{9.83 \times 10^3}$ ------------------------------ 55=_____

56: $1/(69.5)^2 - (51.3 - 5.7)\left(337 - 1.24 \times 10^2\right)$ --------------------------- 56=_____

57: $\left[\dfrac{19400 / 54300}{7090 / 119000}\right]^2 - \dfrac{1/(1370 - 3570)}{1/(23700 + 69100)}$ ------------------------------ 57=_____
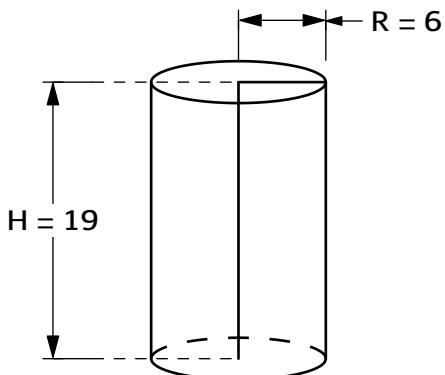
58: $\sqrt[3]{\dfrac{3.81 + 0.0454 + 1.46}{0.747}} - (245)(0.0112)$ --------------------------- 58=_____

59:    A water tank is cylindrical with diameter 20 ft and height 12 ft. A pump is flowing at 0.8 gal/s. How long will it take to fill the tank if the tank was 25% full at the start? [1 gallon = 7.481 ft^3] --- 59=_____hr

60:    There are 17 red coins, 19 purple coins, 4 blue coins, and 8 white coins in a box. Two coins are drawn out without replacement. What is the probability that at least one of them is red? --- 60=_____

61. CYLINDER

R = 6

H = 19

Volume = ?

61. _____

62. CUBE

3.8
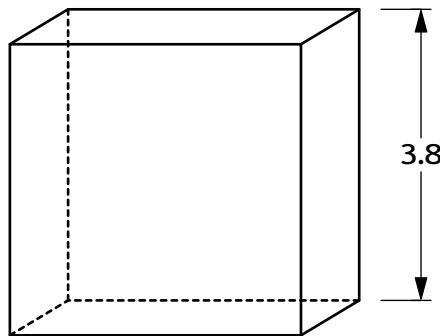
Total Surface Area = ?

62. _____

63: $\sqrt[4]{\dfrac{38.4 + 67.1}{201}} + (428)^{0.463}$ -- 63=_____

64: (deg) $\cos(263° + 246°)$ -- 64=_____

65: (deg) $\cos(88°) - \sin(262°) + \dfrac{1020}{523}$ ---------------------------------- 65=_____

66: (rad) $(149)\tan(1.29) - (382)\tan(3.16)$ -------------------------------- 66=_____

67: (rad) $\dfrac{\sin(0.501) + \cos(0.854)}{(4.17)\tan(0.126)}$ ------------------------------------- 67=_____

68: $(\pi + 7.36 - 2.63)^{0.547 + 0.538} + 4.58 \times 10^2$ -------------------------- 68=_____

69: $\left(9.27 \times 10^{-2} - 1.2 \times 10^{-1}\right)^8 \left(3.56 \times 10^8\right)$ -------------------------------- 69=_____
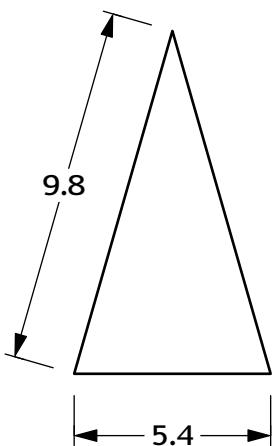
70: (rad) $\left[\dfrac{\tan(0.641) - \cos(6.55)}{\cos(0.734) + \tan(5.46)}\right][\sin(0.701)]$ -------------------------- 70=_____

71: One diagonal of a rhombus is increased by 24%. By what percent should the other diagonal be decreased so that the area of the rhombus is unchanged? ------ 71=_____ %

72: A rock is tossed straight up with initial velocity of 10 feet per second from atop a balcony 30 feet above the ground. The height of the rock is given by the equation $h(t) = -16t^2 + 10t + 30$ at a time t seconds after the rock was tossed. How many seconds pass before the rock is 20 feet above ground? -------------------- 72=_____ s

73. ISOSCELES TRIANGLE

9.8

5.4

Area = ?

73. _____
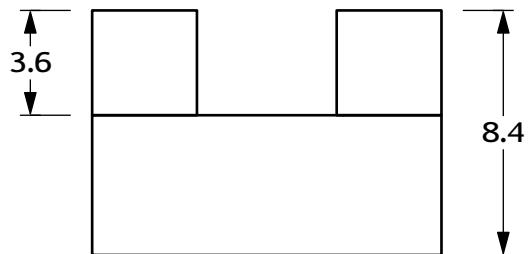
74. RECTANGLE AND CONGRUENT SQUARES

Total Perimeter = 48

3.6

8.4

Total Area = ?

74. _____

75: $Ln\left[\dfrac{4780 - 8460 + 95300}{(141000)(8520)}\right]$ -- 75=_____

76: $\dfrac{Log\left[5.45 \times 10^5 + 9.34 \times 10^5\right]}{7.81 - (\pi)(8.18)}$ --- 76=_____

77: $e^{0.448}(1.96)^{0.722}(7.03 + 1.25 + Ln(4600))^{0.284}$ --------------------- 77=_____

78: $Ln\left[\left(\dfrac{2.98 \times 10^{-3} - 1.01 \times 10^{-3}}{3.57 \times 10^{-3}}\right)^8\right]$ ------------------------------------- 78=_____

79: $1 + 0.122 + (0.122)^2 + (0.122)^3 + (0.122)^4$ -------------------------- 79=_____

80: (rad) $\sin(4.3\pi)\cos(1.33\pi) + \cos(4.3\pi)\sin(1.33\pi)$ --------------------- 80=_____