1: 507 + 154 + 250 ---------- 1=_____

2: 801 – 566 + 739 ---------- 2=_____

3: 401 + 216 – 514 ---------- 3=_____

4: 671 + 344 – 419 + 708 ---------- 4=_____

5: 907 + 106 – 280 + 573 ---------- 5=_____

6: 5.61 – 0.0886 + 0.591 ---------- 6=_____

7: 8.87 – 76.8 – 14.9 – 0.506 ---------- 7=_____

8: 0.0344 – 0.00641 + 0.0959 + 0.579 – 0.36 ---------- 8=_____

9: 70.5 × 80.2 / 29.8 ---------- 9=_____

10: 52.2 × 2.43 × 46.8 × π ---------- 10=_____

11: What is the absolute difference between 5.75 and the square of 0.72? ----- 11=_____

12: Toy cars are 3.6 inches long. How long is a line of 29 toy cars placed back-to-back? ---------- 12=_____ in

13: What is the remainder when 8469 is divided by 35? ---------- 13=_____ (integer)

14: $(5680 + 52.3 - 994) \times (50.4)$ ---------- 14=_____

15: $(0.386 \times 0.00678) + (0.0464 \times 0.00219)$ ---------- 15=_____

16: $(3.42 + 58.1) + (5.9 + 0.134 - 7.4)$ ---------- 16=_____

17: $(0.89 + 0.0074) \times (0.00487 - 0.00651 + 0.00121)$ ---------- 17=_____

18: $\left[\frac{39000 - 91000}{41400}\right] - 6.76$ ---------- 18=_____

19: $\frac{(0.433 + 1.73) \times (0.966)}{3.22} + 21.4$ ---------- 19=_____

20: $\frac{(281) / (35.9)}{(2240) / (137)} - \frac{8860}{79.3}$ ---------- 20=_____

21: $\left[\frac{(-0.733 - 48.6)(-16.6 + 0.714)}{1.81 + 6.96}\right] - (6.96)$ ---------- 21=_____

22: $\left\{\frac{6940}{99.4 + 394}\right\} + \left\{\frac{89.9}{-20.4 + 8430}\right\}$ ---------- 22=_____

23: $\frac{(3.94 - 0.458) / (-0.187 + 2.57)}{0.193 + 0.844} - \left\{\frac{0.0111}{0.049 + 0.0387}\right\}$ ---------- 23=_____

24: When a rider is in the top car of a Ferris wheel, he is 38 feet in the air. When he is in the bottom car, he is 4 feet in the air. What is the radius of the Ferris wheel? 24=_____ ft

25: An airplane took off from Austin at 2:34PM and landed in Dallas at 3:47PM. The distance from Austin to Dallas is 195 miles. What was the plane's average speed? ---------- 25=_____ mph

26: A frog leaps forward $3\frac{1}{2}''$ every $2\frac{1}{2}$ seconds. How far can the frog go in 2 minutes? ---------- 26=_____ yd

27: $\left(4.74\times10^{2}\right) - \left(8.84\times10^{3}\right) - \left(2.14\times10^{3}\right)$ ---------- 27=_____

28: $\left[\dfrac{2.55\times10^{-1}}{8.13\times10^{-3}}\right] + \dfrac{(0.0604) + (0.991 - 0.00155)}{(0.00479 + 0.0585)(0.236)}$ ---------- 28=_____

29: $\left(2.69\times10^{-6}\right) \times \left\{\dfrac{(47.8) - (-79.8)(828)(93.8)}{\left(7.88\times10^{-2}\right)}\right\}$ ---------- 29=_____

30: $\dfrac{1}{4.07} - \dfrac{1}{4.86} - \dfrac{45800}{27900}$ ---------- 30=_____

31: $\left[\dfrac{1}{0.00332 - 0.667}\right]\left[\dfrac{1}{0.965 - 0.281}\right] + \left(6.98\times10^{-3}\right)$ ---------- 31=_____

32: $\left(\dfrac{0.828 + 0.0354}{0.0461}\right) - \left(\dfrac{-0.0629 + 0.00821}{0.0461}\right) + \left(\dfrac{1}{0.0461}\right)$ ---------- 32=_____

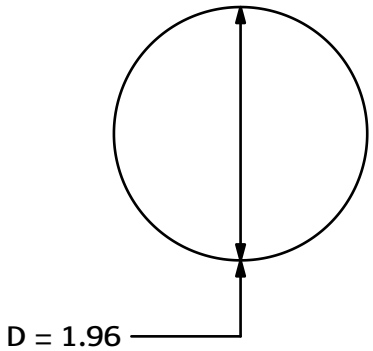
33: $\left(\dfrac{3.67 - \pi}{0.182 - 38.4}\right)\left(\dfrac{1}{68.2 - 0.427 + 0.127}\right)$ ---------- 33=_____

34: $(-8.62)(-2.44)(0.0347)(0.576 - \pi)$ ---------- 34=_____

35: Rachel averaged 94.8 on her first five assignments and averaged 88.0 on her last 3 assignments. What is her overall average? ---------- 35=_____

36: It was estimated that 42,000 attended a football game. Actual ticket sales indicate there were 46,783 attendees. What is the percent error in the attendance estimate? ---------- 36=_____ %

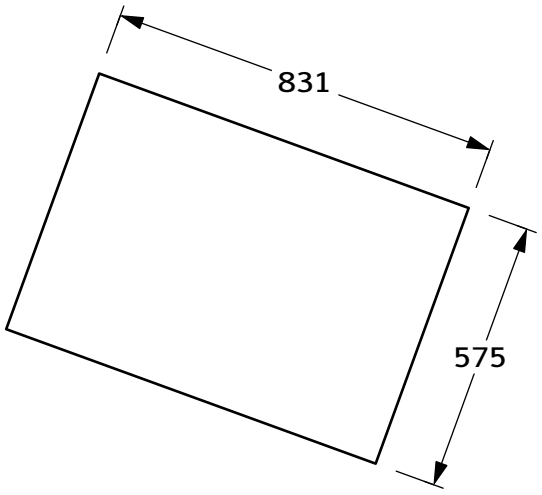
37. CIRCLE



Area = ?

37. _____

38. RECTANGLE



Perimeter = ?

38. _____

39: $(-0.266)^2 + (-5.07)^2 + (0.0611 - 0.0385) / (7.73)$ ---------- 39=_____

40: $\left(\frac{-0.057}{0.593}\right)^2 \Big/ \left(\frac{0.344}{-0.233}\right)^2 - (0.551 + 0.856)$ ---------- 40=_____

41: $\frac{(1/7.24) + (1/34.4) + (1/90.7)}{(1/8.75)^2}$ ---------- 41=_____

42: $\sqrt{0.396 + 7.35} + \sqrt{0.874 + 0.0213 - 0.0655}$ ---------- 42=_____

43: $\frac{87.7 + 4.17}{\sqrt{5.31 \times 10^{-10}}} + \frac{33.1 - 5.8}{\sqrt{6.64 \times 10^{-8}}}$ ---------- 43=_____

44: $\left(\sqrt{272}\right)\left(\sqrt{8830 - 4340}\right)\left(\sqrt{88.9 / 4070}\right)$ ---------- 44=_____

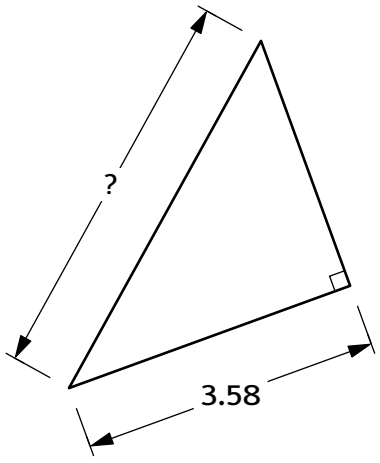
45: $\sqrt{\frac{\left(5.54 \times 10^{-6}\right) + \left(9.73 \times 10^{-6}\right)}{8.51}} + \frac{1}{(9.93)(0.941)}$ ---------- 45=_____

46: $34.3\sqrt{69.4 + 77.3} - 5.3\sqrt{12.7 + 325}$ ---------- 46=_____

47: Water is released from a dam at 26.8 ft^3/s. How long will it take to fill a 12-ft diameter pipe 0.36 mi long? ---------- 47=_____ min

48: Alyssa walks 37.8 ft north and 49.7 ft west. How far is she from the point where she started? ---------- 48=_____ ft

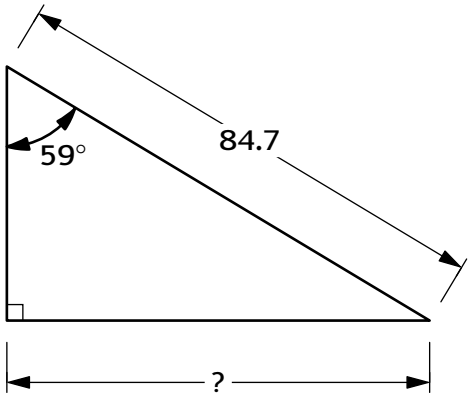
49. RIGHT TRIANGLE



Area = 7.36

49. _____

50. RIGHT TRIANGLE



50. _____

51: $\sqrt{\pi + (2920)(8530) + (36.6)(6520)}$ ---------- 51=_____

52: $\left(\frac{829}{91.8}\right)^3 \times \sqrt{\frac{(964)}{\left(7.06\times10^{-1}\right) + \left(7.76\times10^{0}\right)}}$ ---------- 52=_____

53: $\sqrt{1.91 + 0.619} - \frac{1}{\left(3.11\times10^{2}\right)} + (0.723)(0.969)^2$ ---------- 53=_____

54: $\sqrt[3]{\left(9.28\times10^{-7}\right)} \Big/ \left[\frac{6250 - 969}{352 - \pi} - (3.57)\right]$ ---------- 54=_____

55: $\left(\frac{0.003}{-0.6}\right)\left(\frac{-0.0763}{0.0635}\right)\left(\frac{0.217 + 0.0294}{-0.00792 + 1/0.00171}\right)$ ---------- 55=_____

56: $(3970)^{0.419} - \left[\frac{3490 + 711 + 5680}{7780 - 7760}\right]$ ---------- 56=_____

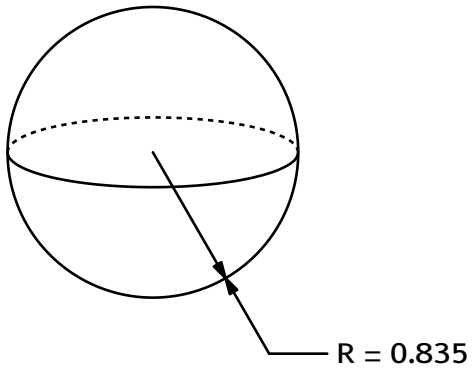
57: $\left[\sqrt{\sqrt{0.791 + 0.542}}\right] - \left[\sqrt{\sqrt{0.0276 + 0.0293}}\right]$ ---------- 57=_____

58: $(0.945)^4 \times (0.945)^6 \times (0.945)^8 \times (0.945)^5$ ---------- 58=_____

59: The geometric mean of 3 numbers is the cube root of their product. The geometric mean of a number, twice the number, and 16 is 11.4. What is the number? [Answer with a positive number.] ---------- 59=_____

60: A password system requires exactly 4 characters. There are 33 characters to choose from, but no character can be used more than once. How many different passwords are possible? ---------- 60=_____ (integer)

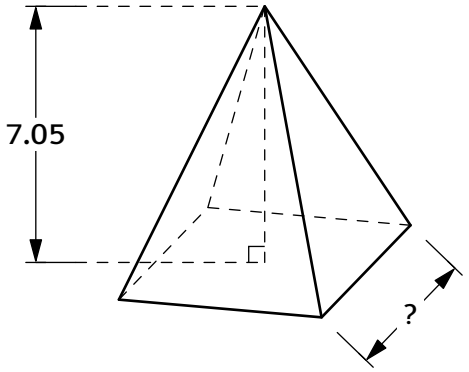
61. SPHERE



Volume = ?

61. _____

62. SQUARE-BASED PYRAMID



Volume = 73.7

62. _____

63: $e^{(0.257)} - \dfrac{\sqrt{633000}}{2970 - 46200}$ ---------- 63=_____

64: $e^{(0.599)} - e^{(0.32)} + (0.53)^{(0.419)}$ ---------- 64=_____

65: (deg) $\sin(326^\circ) + \tan(12^\circ) + (0.524)(0.423)$ ---------- 65=_____

66: (rad) $(352)\tan(4.95) + (9150)\tan(2.16) - \dfrac{55200}{5.41}$ ---------- 66=_____

67: (rad) $\dfrac{(0.932)\sin(6.08)}{(0.616)\sin(3.9)} - \sqrt{\dfrac{6030 + 8710}{432}}$ ---------- 67=_____

68: $\left\{\dfrac{e^{(0.673 - 0.636 + 0.372)}}{e^{(0.43 + 0.672)}}\right\} \times e^{0.657}$ ---------- 68=_____

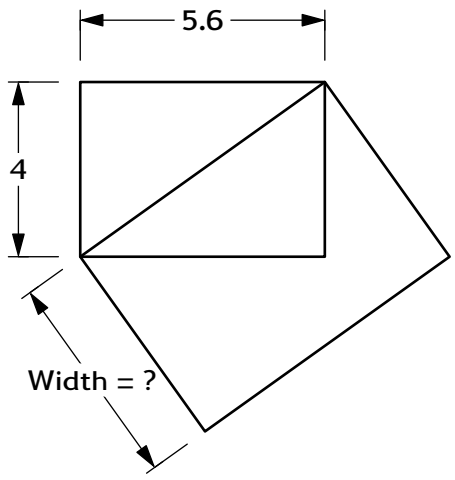
69: (rad) $\left[\sqrt{\dfrac{349 + 7140 - (3810)}{33.2 - 32.5 + (58.1)}}\right]^2 + \dfrac{\sin(0.55)}{\cos(0.55)}$ ---------- 69=_____

70: $(0.0215 - 0.0955 + (0.561)(2.91))^{1/2} \Big/ \left\{\dfrac{2.81 \times 10^{-4}}{9.01 \times 10^{-4}}\right\}$ ---------- 70=_____

71: An airplane has a 3600-ft long runway available for take-off. It begins its takeoff from rest and uses 26.8 seconds to reach lift-off. Assuming a constant acceleration and that the plane used 84% of the available runway, what was the plane's acceleration rate? ---------- 71=_____ ft/s^2

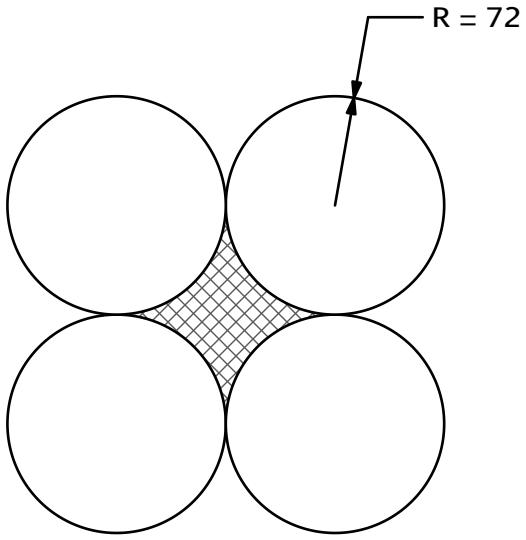
72: Ohm's Law states that voltage V (in volts) is the product of the current $\mathcal{I}$ (in amps) and the resistance R (in ohms). The power used P (in watts, W) is the product of the current and the voltage. How much power is used in a circuit with resistance 5.6 ohms with a battery that provides 12 volts? [1 watt = 1 amp · 1 volt] ---------- 72=_____ W

73. SIMILAR RECTANGLES



73. _____

74. CONGRUENT CIRCLES



Hatched Area = ?

74. _____

75: $1 - 0.264 + \frac{(0.264)^2}{2} - \frac{(0.264)^3}{6} + \frac{(0.264)^4}{24}$ ---------- 75=_____

76: (deg) $\left[\sin^2(354°) - \cos^2(354°)\right] \times \left[e^{(0.236 + 0.507)}\right]$ ---------- 76=_____

77: $\frac{\text{Log}[70500 + 4550 + 33100 + 232000]}{\text{Log}\left[(9.36 \times 10^{-10}) + (3.18 \times 10^{-9})\right]} - \sqrt{0.00710}$ ---------- 77=_____

78: $\text{Ln}\left[\left(\frac{8.03 \times 10^{-8} + 6.21 \times 10^{-8}}{6.26 \times 10^{-6}}\right)^4\right]$ ---------- 78=_____

79: $\frac{1}{2}\text{Log}\left(\frac{96.9 - 73.5}{\pi}\right) - \text{Log}\sqrt{\frac{\left[6.82 \times 10^{-3}\right] - \left[6.98 \times 10^{-5}\right]}{\left[1.48 \times 10^{-5}\right]}}$ ---------- 79=_____

80: $63 + 84 + 105 + 126 + \ldots + 714$ ---------- 80=_____