Noodle Math

Directions:

1. Break pieces of spaghetti to fit Triangle CAT.
2. Lay the pieces of spaghetti side-by-side and estimate the following ratios:
	1. Short : Long b. Medium : Long c. Short : Medium
3. Determine the length of each side of Triangle CAT:
	1. Short = \_\_\_\_\_\_ b. Medium = \_\_\_\_\_\_ c. Long = \_\_\_\_\_\_
4. Calculate the following ratios:
	1. Short : Long b. Medium : Long c. Short : Medium
5. Use a protractor to determine the measure angle T. \_\_\_\_\_\_\_\_
6. State the sine ratio for angle T. \_\_\_\_\_\_\_\_\_\_\_
7. Calculate \_\_\_\_\_\_\_\_\_\_\_
8. State the cosine ratio for angle T. \_\_\_\_\_\_\_\_\_\_\_
9. Calculate \_\_\_\_\_\_\_\_\_\_\_
10. State the tangent ratio for angle T. \_\_\_\_\_\_\_\_\_\_\_
11. Calculate \_\_\_\_\_\_\_\_\_\_\_
12. How do the estimated ratios (step 2) and the calculated ratios (step 4) compare to the calculated trig ratios?
13. Break pieces of spaghetti to fit Triangle PEZ.
14. Lay the pieces of spaghetti side-by-side and estimate the following ratios:
	1. Short : Long b. Medium : Long c. Short : Medium
15. Determine the length of each side of Triangle PEZ:
	1. Short = \_\_\_\_\_\_ b. Medium = \_\_\_\_\_\_ c. Long = \_\_\_\_\_\_
16. Calculate the following ratios:
	1. Short : Long b. Medium : Long c. Short : Medium
17. Use a protractor to determine the measure angle Z. \_\_\_\_\_\_\_\_
18. State the sine ratio for angle Z. \_\_\_\_\_\_\_\_\_\_\_
19. Calculate \_\_\_\_\_\_\_\_\_\_\_
20. State the cosine ratio for angle Z. \_\_\_\_\_\_\_\_\_\_\_
21. Calculate \_\_\_\_\_\_\_\_\_\_\_
22. State the tangent ratio for angle Z. \_\_\_\_\_\_\_\_\_\_\_
23. Calculate \_\_\_\_\_\_\_\_\_\_\_
24. How do the estimated ratios (step 2) and the calculated ratios (step 4) compare to the calculated trig ratios?
25. Break pieces of spaghetti to fit Triangle DOG.
26. Lay the pieces of spaghetti side-by-side and estimate the following ratios:
	1. Short : Long b. Medium : Long c. Medium : Short
27. Determine the length of each side of Triangle DOG:
	1. Short = \_\_\_\_\_\_ b. Medium = \_\_\_\_\_\_ c. Long = \_\_\_\_\_\_
28. Calculate the following ratios:
	1. Short : Long b. Medium : Long c. Medium : Short
29. Use a protractor to determine the measure angle G. \_\_\_\_\_\_\_\_
30. State the sine ratio for angle G. \_\_\_\_\_\_\_\_\_\_\_
31. Calculate \_\_\_\_\_\_\_\_\_\_\_
32. State the cosine ratio for angle G. \_\_\_\_\_\_\_\_\_\_\_
33. Calculate \_\_\_\_\_\_\_\_\_\_\_
34. State the tangent ratio for angle G. \_\_\_\_\_\_\_\_\_\_\_
35. Calculate \_\_\_\_\_\_\_\_\_\_\_
36. How do the estimated ratios (step 2) and the calculated ratios (step 4) compare to the calculated trig ratios?
37. Break pieces of spaghetti to fit Triangle WIN.
38. Lay the pieces of spaghetti side-by-side and estimate the following ratios:
	1. Short : Long b. Medium : Long c. Short : Medium
39. Determine the length of each side of Triangle WIN:
	1. Short = \_\_\_\_\_\_ b. Medium = \_\_\_\_\_\_ c. Long = \_\_\_\_\_\_
40. Calculate the following ratios:
	1. Short : Long b. Medium : Long c. Short : Medium
41. Use a protractor to determine the measure angle N. \_\_\_\_\_\_\_\_
42. State the sine ratio for angle N. \_\_\_\_\_\_\_\_\_\_\_
43. Calculate \_\_\_\_\_\_\_\_\_\_\_
44. State the cosine ratio for angle N. \_\_\_\_\_\_\_\_\_\_\_
45. Calculate \_\_\_\_\_\_\_\_\_\_\_
46. State the tangent ratio for angle N. \_\_\_\_\_\_\_\_\_\_\_
47. Calculate \_\_\_\_\_\_\_\_\_\_\_
48. How do the estimated ratios (step 2) and the calculated ratios (step 4) compare to the calculated trig ratios?