ESP Test – Unit 1

Fill in the correct answer.

1. Natural numbers can be even or odd. They can also be prime or composite.
2. There are three types of fractions. They are mixed, proper, and improper.
3. The two most basic types of numbers are real and complex.

Write out the following notation.

1. = the absolute value of the fraction a over b equals the absolute value of a over the absolute value of b
2. *a* ≤ a is less or equal to the absolute value of a
3. The number of k combinations from n objects equals n choose k which equals the fraction where the numerator is n factorial and the denominator is k factorial times the factorial of n minus k
4. *a* ≈ 2.056 a approximately equals two point zero five six
5. *x* ≥ 5 x is greather than 5
6. *P*(*n*) = *n*! The number of permutations from n objects equals to n factorial

Fill in the correct singular or plural.

1. phenomenon phenomena
2. analysis analises
3. millennium millennia
4. matrix matirces
5. focus foci
6. thesis theses
7. polyhedron polyhedra
8. antenna antennae
9. pendulum pendula
10. apex apices
11. syllabus syllabi

Identify the angles.

1. *a* = 90 degrees right

2. *a* = 180 degrees straight

3. 180 degrees < *a* <360 degrees reflex

4. 90 degrees < *a* = <180 degrees obtuse

Identify the lines

1. ray

2. oblique

3. | vertical

4. \_\_ horizontal

Mark the stress in the following words using either an apostrophe before the stressed syllable or the oOoo method.

1. A’nalysis
2. Poly’hedron
3. An’tenna
4. Phe’nomena
5. ‘Pendula
6. Mi’llennium
7. Memo’randum
8. Ir’rational
9. ‘Integer
10. Paral’lel
11. Perpen’dicular
12. Co’ordinates
13. De’gree
14. ‘Similar
15. ‘Congruent
16. Ob’lique
17. Hori’zontal
18. Inter’section
19. A’djacent
20. Corre’sponding