Name: _____   Date _____

Topic : <u>Truth Value of Open Sentences- Worksheet 1</u>

Determine whether the following sentences are TRUE, FALSE, or OPEN

1.   "The moon is not a star"

2.   "4y + 11 = 15"

3.   "This is nonsense"

4.   "(1 + 5) − 8 = 1"

5.   "The blue colored top has 20 white marbles"

6.   "moon rises in the morning"

<u>Use the domain {sphere, cube, cuboids, cone, and cylinder} to find the solution set for the following open sentences</u>

7.   "It has six sides are equal"

8.   "Its volume is one third of volume of cylinder"

9.   "All foot ball are of this shape"

10.   "It is formed when a square paper is rolled along its length"

Name: _____   Date _____

Topic : Truth Value of Open Sentences- Worksheet 2

Determine whether the following sentences are TRUE, FALSE, or OPEN

1. "The car is not a bus"

2. "2x - 8 = 10"

3. "Blood is blue colored"

4. "(2 + 4) − 10 = 4"

5. "Bangles are red colored"

6. "Coffee is hot"

Use the domain {sphere, cube, cuboids, cone, and cylinder} to find the solution set for the following open sentences

7. "Its opposite sides are equal"

8. "Its volume is one third of volume of cylinder"

9. "The pencil is of this shape"

10. "All dice are of this shape "

Topic : <u>Truth Value of Open Sentences- Worksheet 3</u>

Determine whether the following sentences are TRUE, FALSE, or OPEN

1. "N is an even number"

2. "4 is less than 8"

3. "5y + 18 = 29"

4. "The sun is shining"

5. "Apple is a fruit"

6. "(5 - 1) + 8 = 11"

<u>Use the domain {sphere, cube, cuboids, cone, and cylinder} to find the solution set for the following open sentences</u>

7. "All sides are equal"

8. "Its volume is one third of volume of cylinder"

9. "All foot ball are of this shape"

10. "It is formed when a square paper is rolled along its length"

Topic : <u>Truth Value of Open Sentences- Worksheet 4</u>

Determine whether the following sentences are TRUE, FALSE, or OPEN

1. "7y + 17 = 41"

2. "lemon is bitter"

3. "Milk is white"

4. "Ball is round"

5. "(8 + 1) − 13 = 12 "

6. "z is a positive number"

<u>Use the domain {sphere, cube, cuboids, cone, and cylinder} to find the solution set for the following open sentences</u>

7. "All opposite sides are equal"

8. "Its volume is one third of volume of cylinder"

9. "All foot ball are of this shape"

10. "It is formed when a square paper is rolled along its length"

Name: _____   Date _____

Topic : Truth Value of Open Sentences- Worksheet 5

Determine whether the following sentences are TRUE, FALSE, or OPEN

1. "2y + 15 = 20"

2. "A triangle has n side"

3. "(7 + 5) − 13 = 2"

4. "A square has three corner"

5. "5 is an even number"

6. "Pen comes only in blue color"

Use the domain {sphere, cube, cuboids, cone, and cylinder} to find the solution set for the following open sentences

7. "One side parallel to each other"

8. "Its volume is one third of volume of cylinder"

9. "All Cricket ball are of this shape"

10. "It is formed when a paper is rolled according to dice"