

Name _____

Date _____

Truth Value of Open Sentences - Independent Practice Worksheet

Complete all the problems. Using the natural numbers as a domain, determine the solution set for the following open sentences.

1. $4x - 10 = 18$

2. $5x - 18 = 7$

3. $7x - 16 = 12$

4. $3x + 7 = 35$



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

5. $4y - 9 = 15$

6. $5z - 7 = 21$

7. $2p - 4 = 11$

8. $9q - 2 = 8$

Use the domain {triangle, rectangle, square, parallelogram, rhombus, trapezoid} to find the solution set for the following open sentences.

9. This shape has 540° as a sum of all interior angles that are equal in measure.

10. This shape has 720° as a sum of all interior angles that are equal in measure.

