Unit 4

1. What is the solution to the equation 4j = 24?
2. Determine whether the ordered pair (3, 15) is a solution of the equation .
3. What is the solution to the equation 16  x 8?
4. Lada’s three older brothers each drove an average of 7 hours. How many total hours was the trip?
5. Write an equation for a function that gives the values in the table.

|  |  |
| --- | --- |
| *x* | *y* |
| 4 | 10 |
| 5 | 13 |
| 6 | 16 |

1. Solve x + 3 = 7.
2. Solve 2 = y − 1.
3. Solve g = 4.
4. Solve 3 = y − 2.
5. Write the compound inequality represented by the graph



1. What is the slope of the line in the graph below?



1. Write the compound inequality represented by the graph



1. Solve the equation: p  6.4  9.3
2. What is the slope of the line in the graph below?



1. Solve r + 5 = 12
2. Solve p = 8.
3. Solve the equation: 7r  43.4
4. Casandra’s family drove 275 miles at 55 miles per hour. How many hours was their trip?
5. Solve for hif 6h  36
6. Write an equation for the function and tell what each variable represents: Nicholas is 2 years younger than his sister.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Determine whether the ordered pair (2, 13) is a solution of the equation .
2. Jasmine wrote the table of values below. Determine the equation of the line

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *x* | 2 | 4 | 6 | 8 | 10 |
| *y* | 10 | 12 | 15 | 17 | 20 |