Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_

Mr. Tallman Math 7-8A

**Homework #2 – Adding Integers Using a Number Line**

**Directions:** Solve each problem using the number lines below.

|  |  |
| --- | --- |
| 1) $5+\left(-11\right)=$ |  |
| 2) $-7+3=$ |  |
| 3) $\left(-7\right)+\left(-11\right)=$ |  |
| 4) $6+5=$ |  |
| 5) $3+\left(-15\right)=$ |  |

6) A submarine is at a depth of 500 feet below sea level. The submarine then climbs 50 feet. Write a mathematical expression that models this situation. Then use the number line to evaluate the expression to determine the new depth of the submarine.



7) A plane is at an altitude of 32,000 feet. The plane then descends 2,000 feet. Write an expression using addition and a negative integer that can be used to find the new altitude of the plane.