

**CHAPTER  
4****Chapter Review Games and Activities***For use after Writing Linear Equations***Number Line Puzzle**

**Determine the slope of the line either perpendicular to or parallel to the given line. Then plot the slopes on the number line below. Label the points on the number line with the corresponding letter next to the exercise to find the answer to the following question.**

What was the first artificial satellite to orbit Earth?

1. Perpendicular to  $5x + 3y = 1$  (I)
2. Parallel to  $-x - 4y = 7$  (U)
3. Parallel to  $3x - 2y = 12$  (K)
4. Perpendicular to  $4x - 8y = 1$  (S)
5. Parallel to  $7x + 9y = 0$  (P)
6. Perpendicular to  $15x + 5y = 18$  (N)
7. Perpendicular to  $x = 4$  (T)

