Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_  
**Halloween Color Match Activity** PROVE THEOREMS ABOUT PERPENDICULAR LINES  
  
  


**Line**

**Line**

**Line**

**Parallel**

**Parallel**

**Parallel**

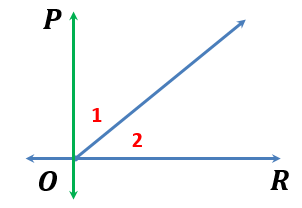
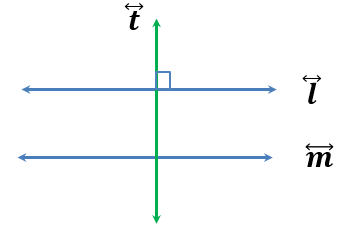
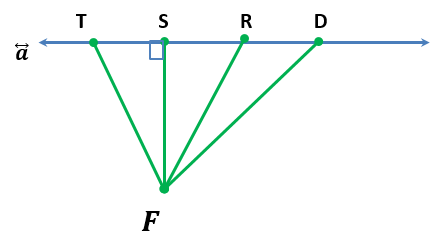
**Parallel**

**Complementary**

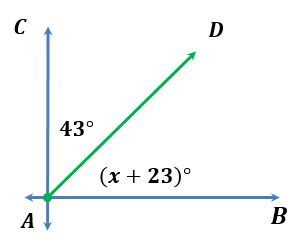
**Perpendicular**

**Directions: Answer the questions. Find your answer on the Halloween Jack O-Lantern. Then color according to your answers.**

**1.** If two lines intersect to form a linear pair of congruent angles, then the lines are \_\_\_\_\_\_\_\_. **(RED)**

**2.** If two lines are perpendicular, then they intersect each other at angle of \_\_\_\_\_\_\_\_\_. **(ORANGE)  
   
  
  
  
3.** In the figure below, if then and are \_\_\_\_\_\_\_\_\_\_\_\_. **(YELLOW)  
  
   
  
  
4.** In the figure below, if andthen\_\_\_\_\_\_\_\_\_\_\_. **(LIGHT YELLOW)  
   
   
  
  
5.** In a plane, if two lines are perpendicular to the same line, then they are \_\_\_\_\_\_\_\_\_ to each   
other. **(ORANGE)  
  
  
  
6.** This perpendicular segment is the shortest distance between the point and the \_\_\_\_\_\_\_. **(RED)   
  
  
  
7.** In the figure given below, which segment represents the shortest distance between the point F and   
the line? **(GREEN)** 

**8.** In the figure given below, what is the value of **(ORANGE)**

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|  |  |
| --- | --- |
|  | **Answers:**   1. **Perpendicular** 2. **Complementary** 3. **Parallel** 4. **Line** |