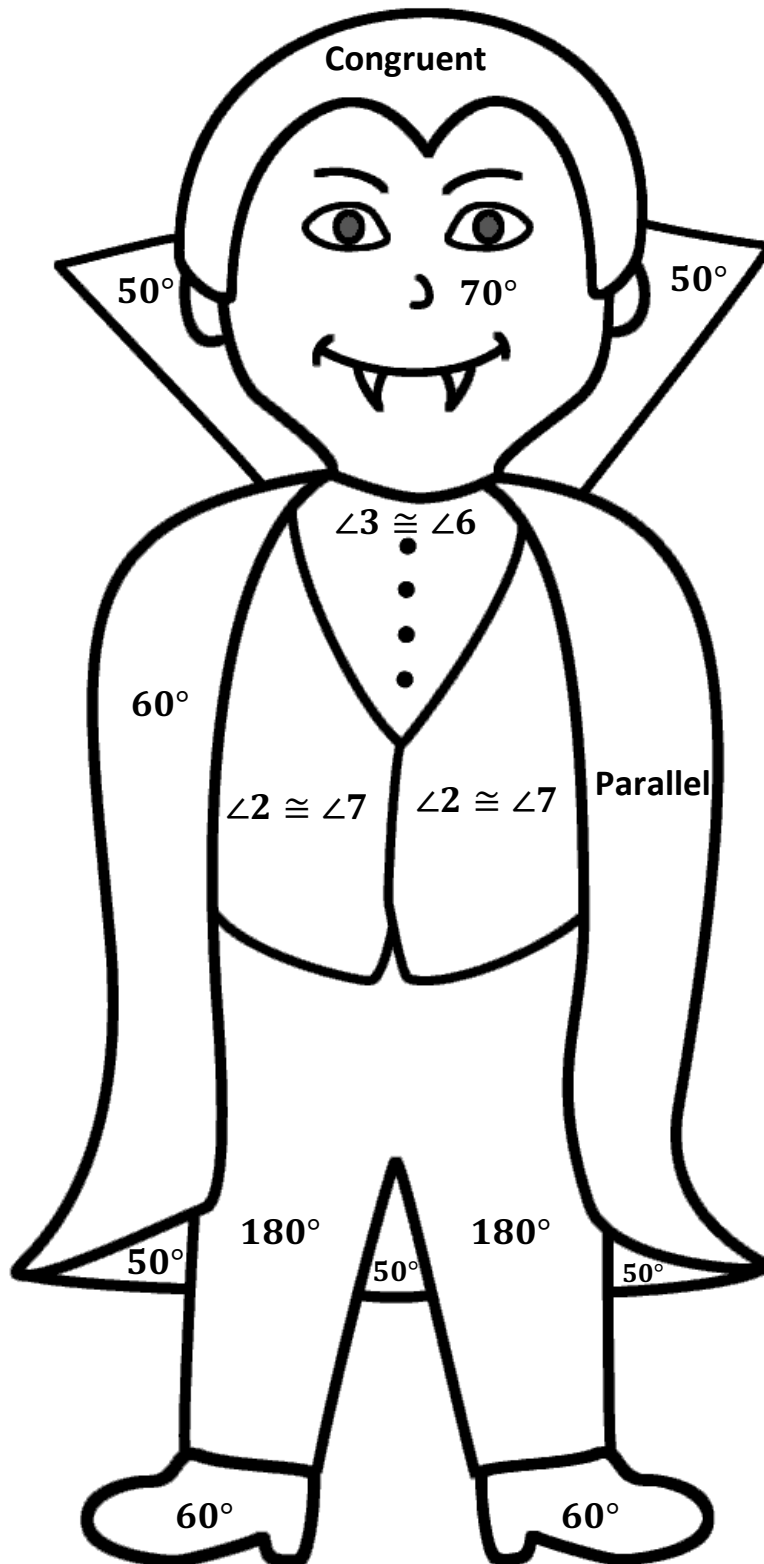


Name: _____ Period: _____ Date: _____

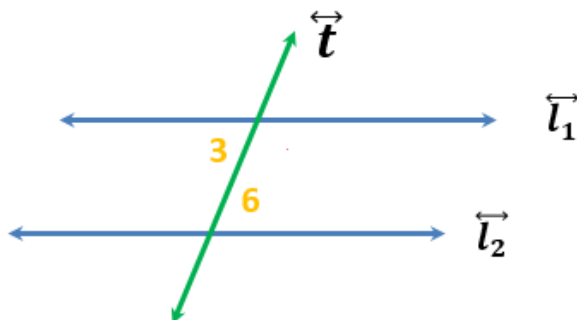
Color Match Activity PROVE LINES PARALLEL



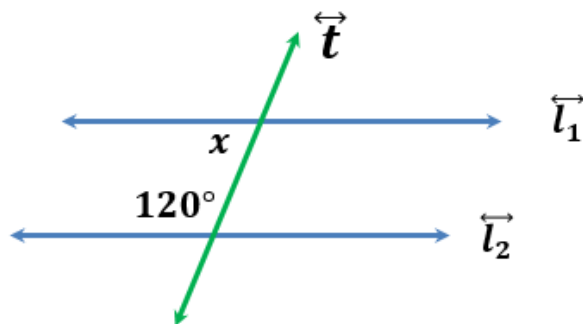
Directions: Answer the questions. Find your answer on the Halloween Vampire. Then color according to your answers.

1. If two lines and a transversal form alternate interior angles that are congruent, then the two lines are _____. **(BLACK)**

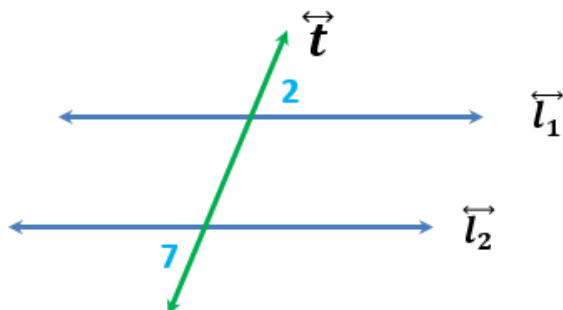
2. In the figure given below, the two lines are parallel if _____. **(GREY)**



3. In the figure given below, what is the value of angle x ? **(BLACK)**

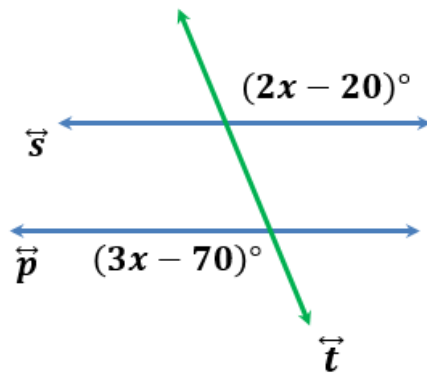


4. In the figure given below, the two lines are parallel if _____. **(RED)**

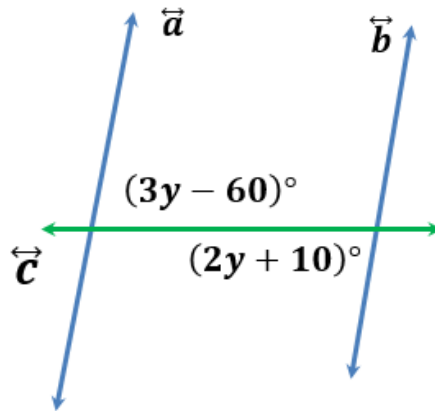


5. If a transversal intersects two parallel lines, then corresponding angles are _____. **(PURPLE)**

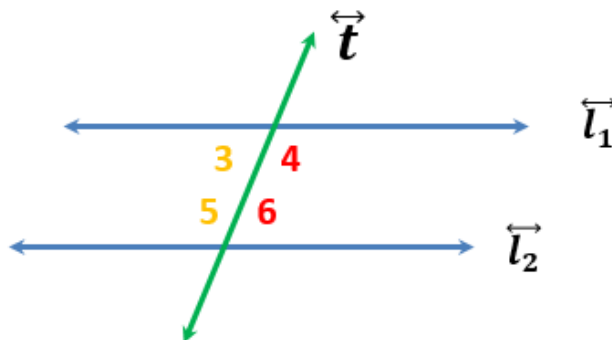
6. In the figure given below, what is the value of x so that $\vec{s} \parallel \vec{p}$? **(BLACK)**

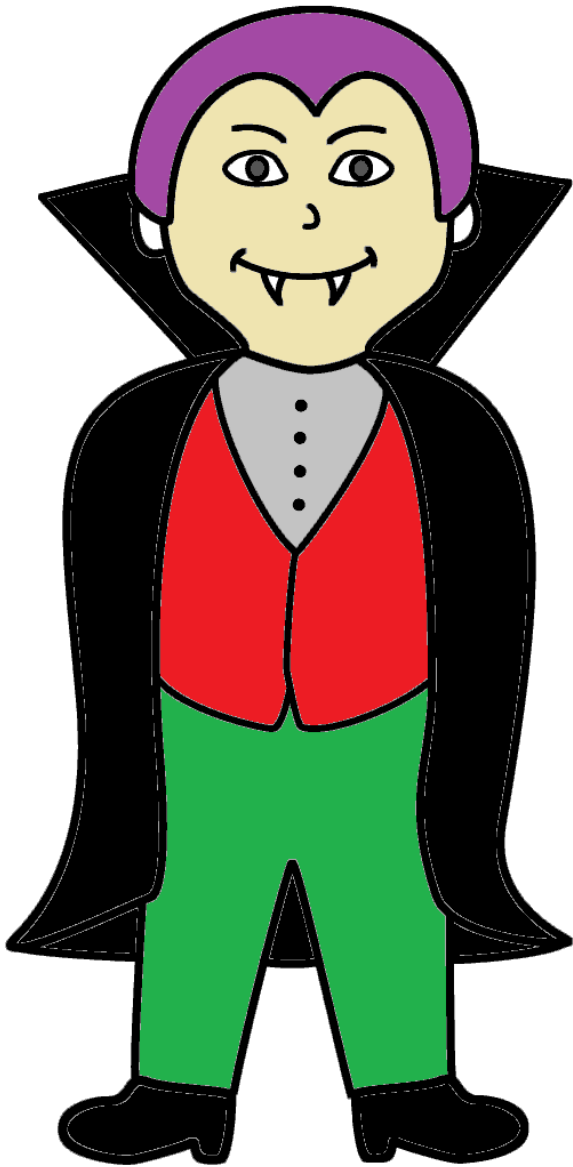


7. In the figure given below, what is the value of y so that $\vec{a} \parallel \vec{b}$? **(LIGHT YELLOW)**



8. In the figure below, the sum of $\angle 3$ and $\angle 5$ is _____. **(GREEN)**





Answers:

1. Parallel
2. $\angle 3 \cong \angle 6$
3. 60°
4. $\angle 2 \cong \angle 7$
5. Congruent
6. 50°
7. 70°
8. 180°