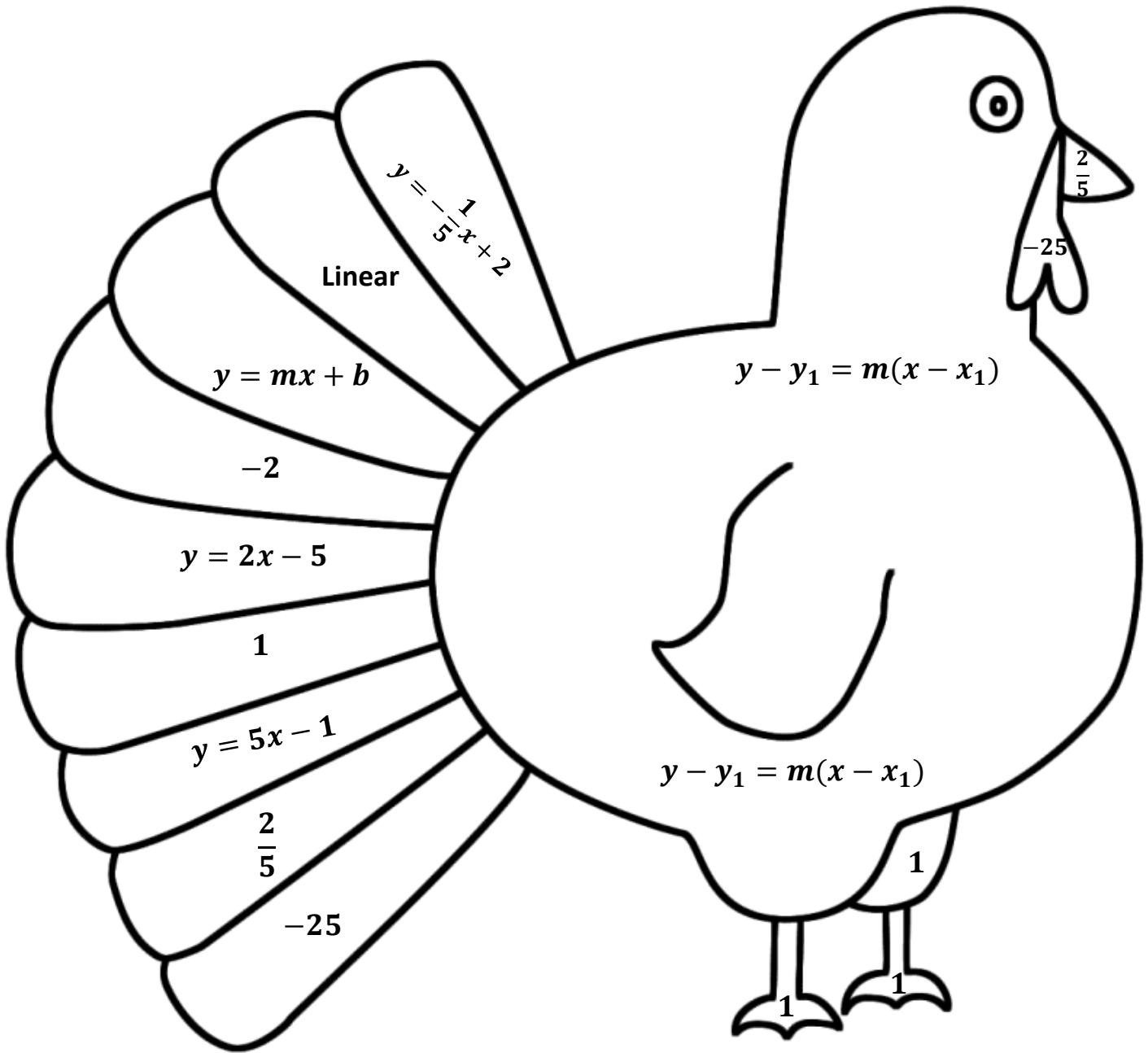


# Thanksgiving Color Match Activity CREATING LINEAR EQUATIONS



**Directions: Answer the questions. Find your answer on the Thanks-Giving Turkey. Then color according to your answers.**

1. An equation representing a straight line is known as a \_\_\_\_\_ equation. **(ORANGE)**

2. The slope-intercept form a linear equation is \_\_\_\_\_. **(RED)**

3. The slope of the equation  $2y = -4x + 2$  is \_\_\_\_\_. **(PURPLE)**

4. Write an equation in slope-intercept form for the line passing through the points  $(1, -3)$  and  $(3, 1)$ . **(YELLOW)**

5. What is the slope of the line passing through the points  $(1, -1)$  and  $(3, 1)$ ? **(BROWN)**

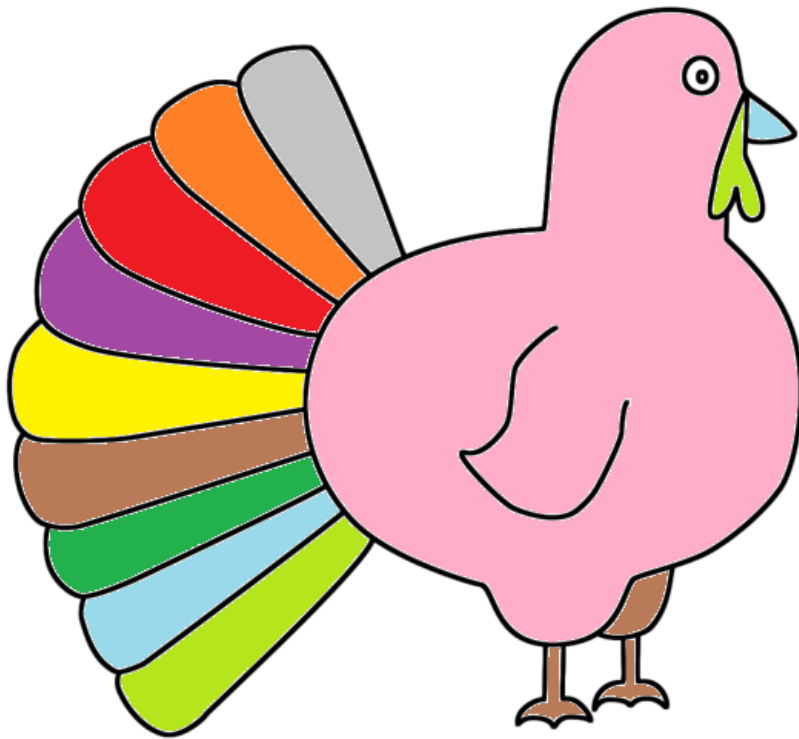
6. The point-slope form of the equation of a straight line is \_\_\_\_\_. **(PINK)**

7. Write an equation for the line passing through the points  $(1, 4)$  and  $(2, 9)$ . **(GREEN)**

8. What is the slope of the line passing through the points  $(2, 8)$  and  $(-3, 6)$ ? **(SKY BLUE)**

9. The y-intercept in the equation  $4y = 3x - 100$  is \_\_\_\_\_. **(LIGHT GREEN)**

10. Write an equation for the line passing through the points  $(5, 1)$  and  $(0, 2)$ . **(GREY)**



**Answers:**

1. Linear
2.  $y = mx + b$
3.  $-2$
4.  $1$
5.  $2x - 5$
6.  $y - y_1 = m(x - x_1)$
7.  $y = 5x - 1$
8.  $\frac{2}{5}$
9.  $-25$
10.  $y = -\frac{1}{5}x + 2$