Chapter 4 Jeopardy

Standard Form	Slope-Intercept Form	Parallel and perpendicular lines	Slope	Linear Equation Word Problems
100	100	100	100	300
200	200	200	200	400
300	300	300	300	500
400	400	400	400	600

Write the equation in Standard Form

$$y - 3 = 2.5(x + 1)$$

$$5x - 2y = -11$$

Write the equation in Standard Form

$$y = -\frac{1}{4}x - \frac{7}{2}$$

$$x + 4y = -14$$

Write the Standard form of an equation of the line that satisfies each condition

slope $\frac{1}{4}$ $and\ y-intercept\ 2$

$$x - 4y = -8$$

Write the Standard form of an equation of the line that passes through each pair of points

(6, 0), (0, 4)

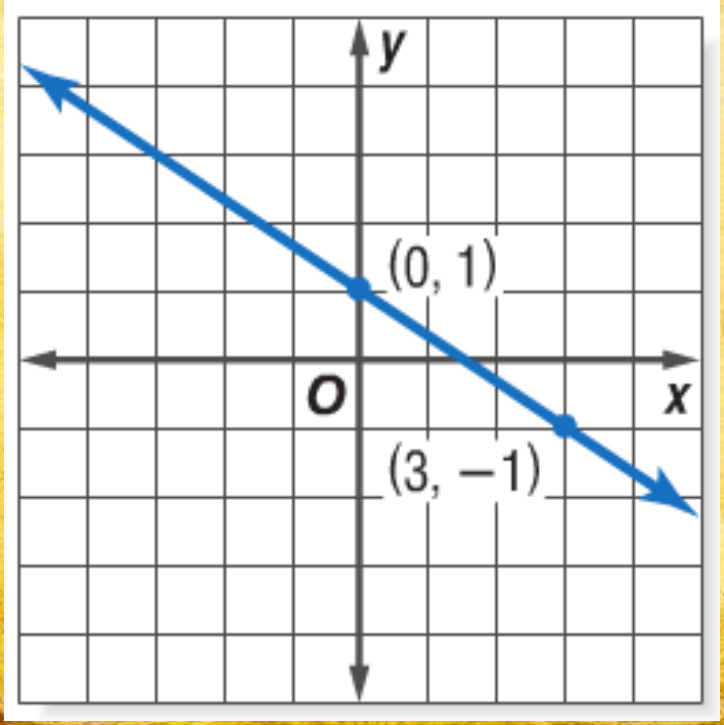
$$2x + 3y = 12$$

Write the equation in Slope-Intercept form

$$y + 2 = 4(x + 2)$$

$$y = 4x + 6$$

Write an equation in slope-intercept form of the line shown.



$$y = -\frac{2}{3}x + 1$$

Write the equation of the line that passes through the point with the given slope

(-3, -5), $m = -\frac{5}{3}$

$$y = -\frac{5}{3}x - 10$$

Write the slope-intercept form of an equation of the line that passes through each pair of points

(5, -1), (-3, 3)

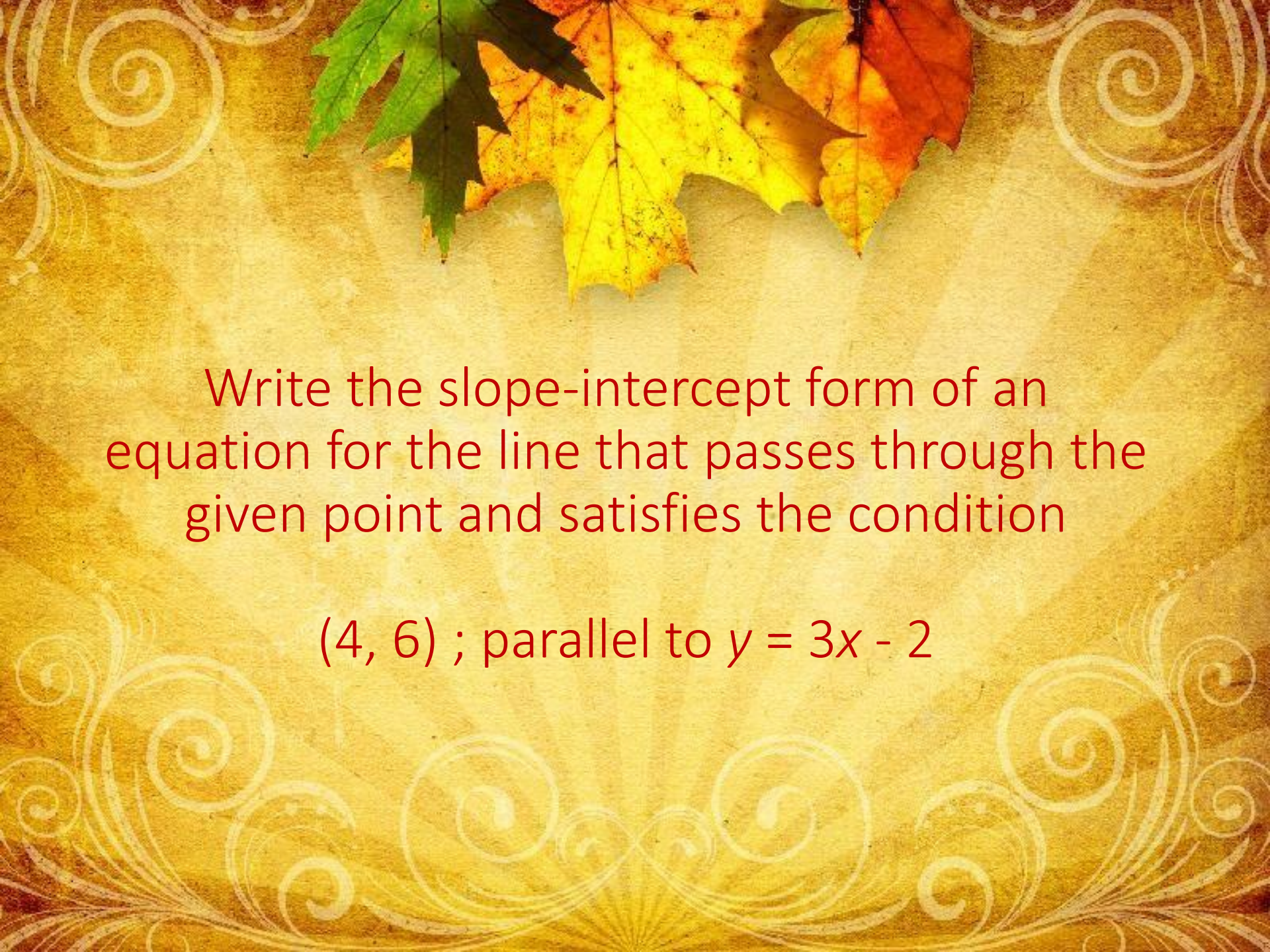
$$y = -\frac{1}{2}x + \frac{3}{2}$$

Determine whether the pair of lines are parallel, perpendicular, or neither

$$Y = \frac{7}{2}x + 4$$

$$Y = \frac{2}{7}x - 3$$

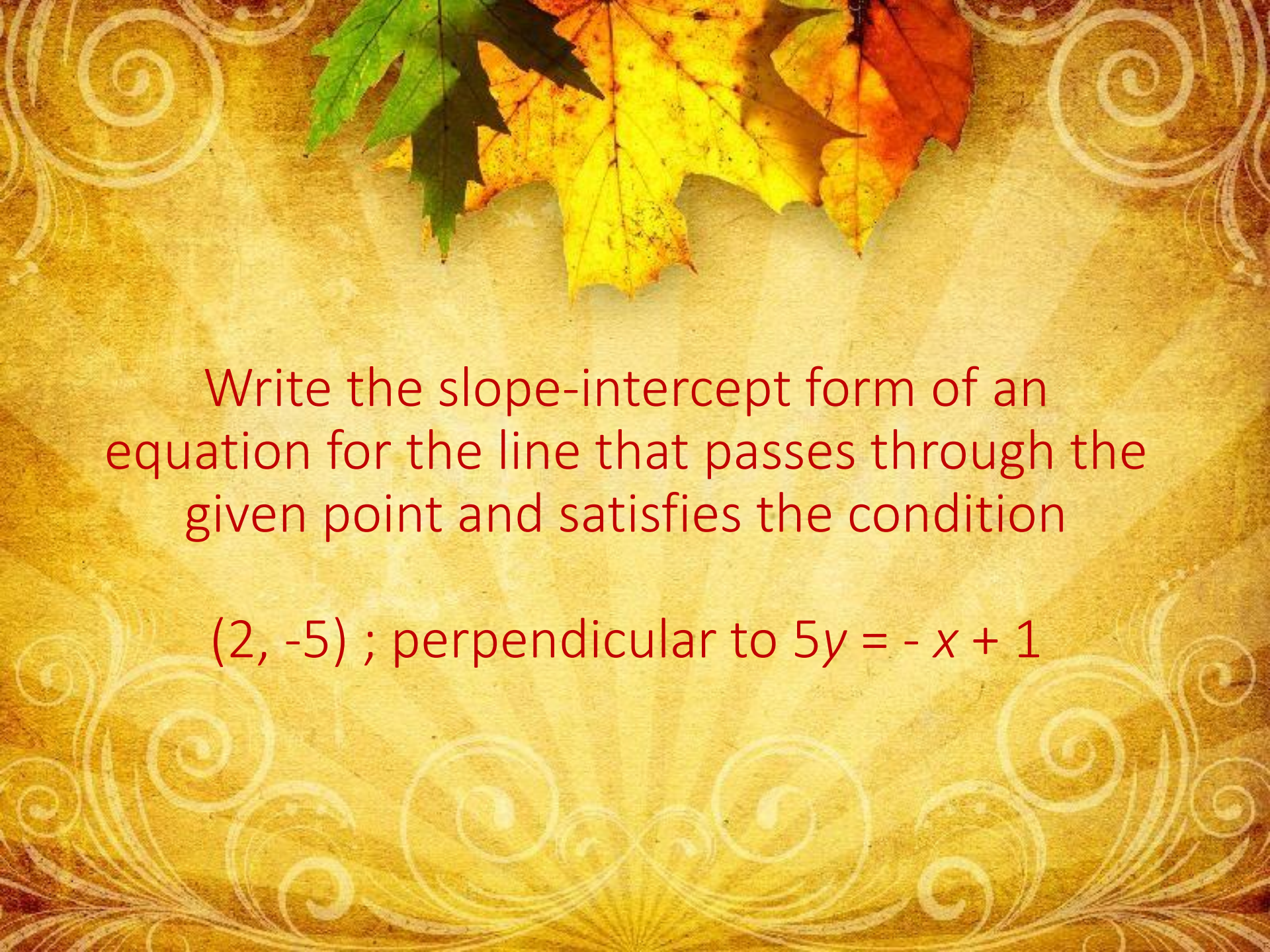
Neither



Write the slope-intercept form of an equation for the line that passes through the given point and satisfies the condition

(4, 6) ; parallel to $y = 3x - 2$

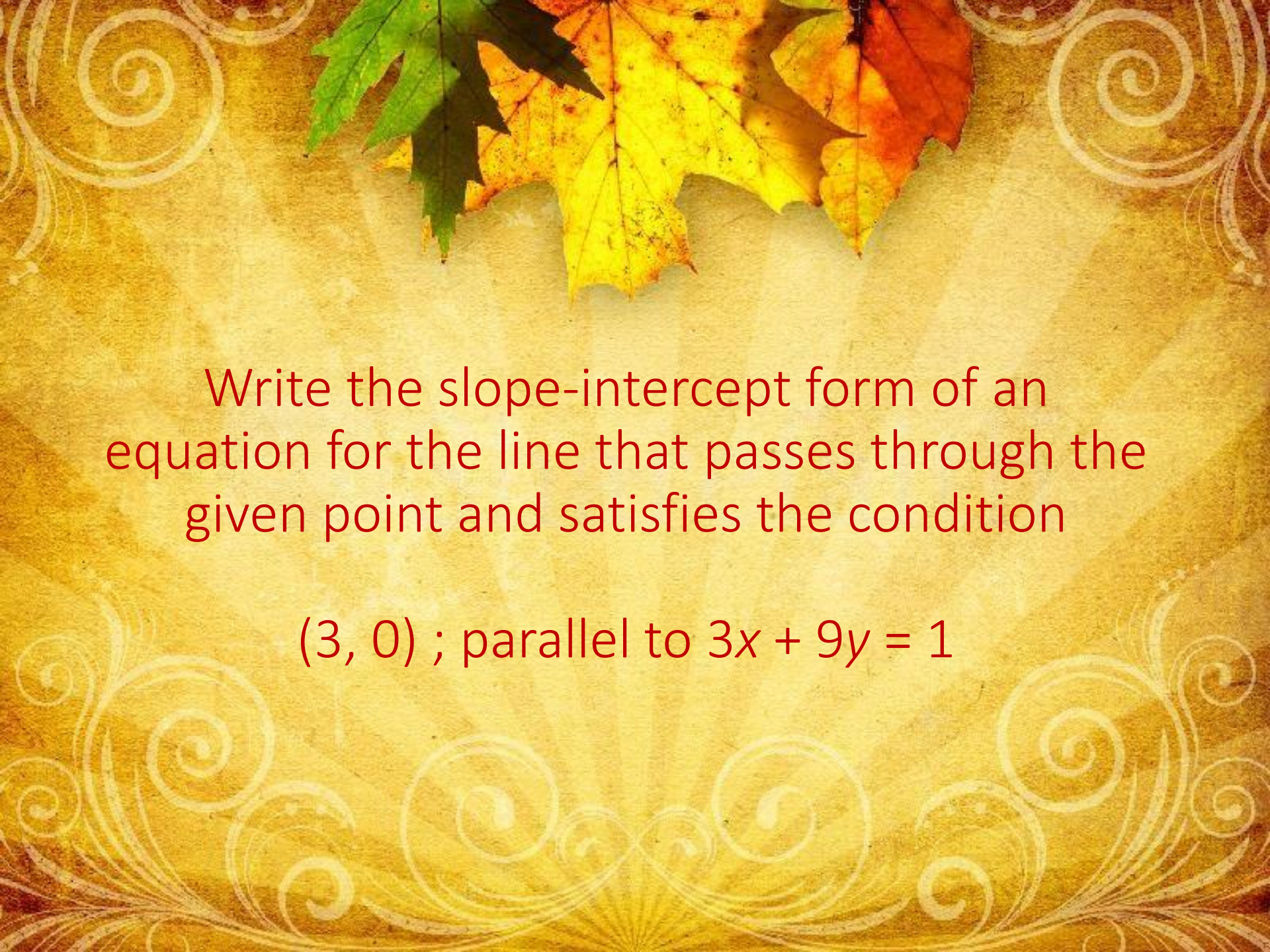
$$y = 3x - 6$$



Write the slope-intercept form of an equation for the line that passes through the given point and satisfies the condition

(2, -5) ; perpendicular to $5y = -x + 1$

$$y = 5x - 15$$

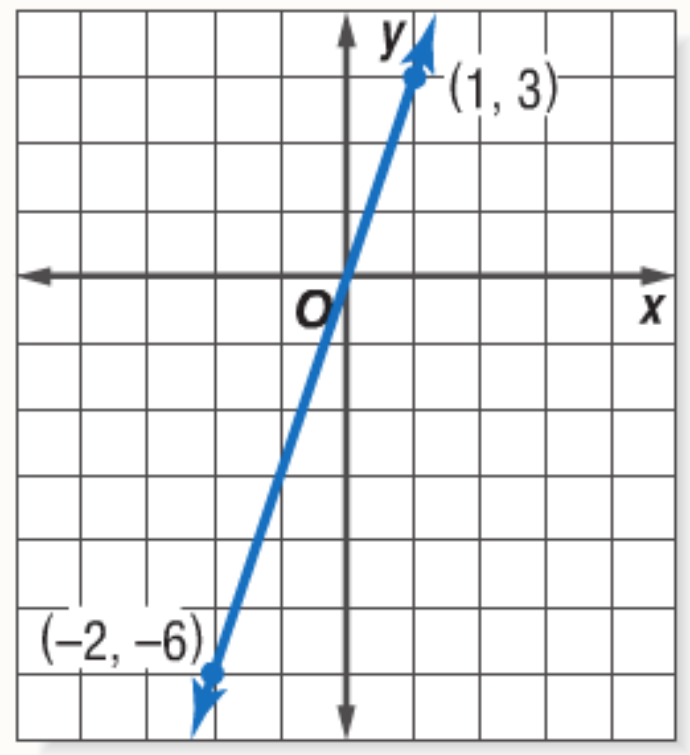


Write the slope-intercept form of an equation for the line that passes through the given point and satisfies the condition

(3, 0) ; parallel to $3x + 9y = 1$

$$y = -\frac{1}{3}x + 1$$

Find the slope of the line represented on the graph.



3

Find the slope of the line that passes through

(-6, 4) and (-6, -2)

undefined

Find the slope of the line that passes through

(0, 5) and (6, 2)

$$-\frac{1}{2}$$

Find the slope of the line that passes through

(-7, -12) and (6, -12)

Zero

You want to rent a snowboard for a ski trip. There is an initial fee $25, plus a $45 daily fee. Write a linear equation in **slope-intercept form** for this situation where y represents the cost of renting a snowboard and x represents the number of days rented.

$$y = 45x + 25$$

A wireless phone-service provider charges a $0.35 daily fee plus $0.10 per minute. Write a linear equation to find the daily cost (y) for any number of minutes (x).

$$y = 0.10x + 0.35$$

A lawn care company charges $25 per month for lawn maintenance, plus an initial fee and months of maintenance is $210. Write the slope-intercept form of the equation to find the total cost (y) for any number of months (x).

$$y = 25x + 10$$

By the end of your 3rd French lesson you have learned 17 vocabulary words. After 9 lessons you know 51 vocabulary words. Write an equation that gives the number of vocabulary words you know (y), in terms of the number of lessons you have had (x).

$$y = \frac{17}{3}x$$