

# MATH



## Video Study Guide: Writing Equations of Parallel and Perpendicular Lines

1. Write the slope-intercept equation for the line that is parallel to  $y = x + 7$  and passes through the ordered pair  $(1, 2)$ .

2. Write the slope-intercept equation for the line that is perpendicular to  $y = \frac{1}{4}x + 3$  and passes through the ordered pair  $(-4, 3)$ .

3. Write the point-slope equation for the line that is parallel to the x-axis and passes through the ordered pair  $(0, -1)$ .