Name:_____**Date:**_____**Per:**_____

Midterm Review Warm Up 5

Section 5.1 and 5.2 – Write Equations of Lines in Slope-Intercept Form

Ex: Slope: 5, y-intercept: -2 **Ex:** Slope: ½ and passes through $(2, -5)$

Ex: Passes through $(8, 0)$ and $(-4, 9)$

Section 5.5 – Write Equations of Parallel and Perpendicular Lines (in slope-intercept form)

Ex: Write the equation of the line that passes through the point $(-2, 5)$ and is parallel to $3x + 6y = -12$

Ex: Write the equation of the line that passes through the point $(5, 7)$ and is perpendicular to $2y + 5x = 8$

Section 5.4 – Writing Equations in Standard Form

Ex: Write the equation of the line that passes through the points $(-2, 12)$ and $(2, 8)$ in ***standard form***.

Ex: Find the missing coefficient and then ***write the equation in standard form***.

   $3x + By = -5$ and passes through the point $(-2, 3)$