Writing Equations in Slope Intercept Form Practice

Find the slope and y-intercept from the given equations

$y = 2x + 9$	$y = x - 3$	$y = -\dfrac{1}{2}x$
$m = \underline{\quad}$ $b = \underline{\quad}$	$m = \underline{\quad}$ $b = \underline{\quad}$	$m = \underline{\quad}$ $b = \underline{\quad}$

Use the given slope and y-intercept to write the equation

$m = 4$ $b = -6$	$m = \dfrac{3}{4}$ $b = 2$	$m = -5$ $b = 17$
$y = \underline{\hspace{3cm}}$	$y = \underline{\hspace{3cm}}$	$y = \underline{\hspace{3cm}}$

Write the equation of each line using the given information

Parallel to the line $y = \dfrac{6}{7}x + 10$ and has the y-intercept of -1

Parallel to the line $y = 8x - 12$ and has the y-intercept of 7

Perpendicular to the line $y = \dfrac{2}{3}x + 15$ and has the y-intercept of 3

Perpendicular to the line $y = -9x + 4$ and has the y-intercept of -11