AA WS 5.6 – day 2

Write an equation for the line in slope intercept form that is PARALLEL to the given line and that passes through the given point.

1. $(3, 4)$; $y = 2x - 7$

2. $(1, 3)$; $y = -4x + 5$

3. $(-3, 5)$; $y = 5x$

4. $(0, 6)$; $y = x + 10$

Write an equation for the line in slope intercept form that is PERPENDICULAR to the given line and that passes through the given point.

5. $(12, -6)$; $y = x - 1$

6. $(1, 1)$; $y = -\dfrac{1}{4}x + 5$

7. $(0, -3)$; $y = -\dfrac{4}{3}x - 7$

8. $(8, 0)$; $y = 2x + 9$