Math 10 Unit 6.3 How to Write Equations of Lines

-we've done: i) find equations for (3, 2) and (6, -5)
　　　　　 ii) find equations for m=2 and (4, -2)

-now: find equations of parallel and perpendicular lines.

A) How to find a line parallel to the given one:
-remember: $m_1=m_2$

Ex: line: 3x-2y=6. Find a parallel line that also passes through (4, -2)

B) How to find equations of a perpendicular to the given one?

Ex: 4x+2y=7. Find the equation of a line perpendicular to the given one that also passes through (-2, 5).

Try: A line is perpendicular to 3y+1=-4x. The line passes through (5, -2). What is the equation of this line?

-pg 260 #1-5 (first column), 6, 8