NAME:_____

5-4 Quiz Practice - Parallel and Perpendicular Lines

Determine if the following set of equations are parallel, perpendicular, or neither. Justify your answer with an explanation.

$8x + 14y = 28$

$-7x - 4y = 200$

Write the equation of a line that passes through the point (12 , -17) and is parallel to the line
$y = -\dfrac{4}{3}x + 18$

Write the equation of a line that passes through the point (-8, -1) and is perpendicular to the line
$y = -\dfrac{4}{3}x + 18$

ANSWERS:
1) Neither. They are reciprocals but not negative reciprocals
2) y = -4/3 x -1
3) y = ¾ x +5