For 1 to 4, tell ifeach pair of lines parallel, perpendicular, or neither?

1. $y = 4x - 5$

   $3x - 12y = 60$

2. $y = 2x$

   $x = -\dfrac{1}{2}$

3. $y = 2x - 1$

   $6x - 3y = 9$

4. $y = -3x + 7$

   $15x + 5y = 35$

5. Given the line $y = -\dfrac{7}{4}x + 3$

   Write the equation of the line that is parallel to this line and passes through the point (-8, 10)

   Write your answer in both Point-Slope and Slope-Intercept Forms:

6. Given the line: $y = \dfrac{2}{3}x - 9$

   Write the equation of the line that is perpendicular to this line and passes through the point (12, -5)