3.F.5   Parallel and perpendicular lines practice work

Name:_____

1. The two lines below are NOT parallel.   Explain why.
   a. $y - 2x = 3$
   b. $2y + 4x = 6$

2. Write the equation of a line perpendicular to $y = -\frac{11}{12}x + 12$ and whose y intercept is (0, 5).

3. Write the equation of a line parallel to $y = -\frac{3}{4}x + 12$ and whose y intercept is (0,5)

4. Find the equation of a line parallel to $y = 5$ that goes through the point (-2, -3)

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5. Find the equation of a line that is perpendicular to x = 5 that goes through the point (6, -3)

6. Find the equation of a line parallel to y = 2x + 7 and that goes through the point (4, 12)

7. Write the equation of a line that is perpendicular to y = -2x + 4 that passes through the point (8, 8)