Calculus 120
Assignment #1

20/20

1. Write the equation of the line that goes through the points $A(-4,3)$ and $B(5,7)$

2. Write the equation of the line that goes through the point $(2,1)$ and is parallel to $2x+3y-4=0$

3. Write the equation of the line that goes through the point $(-4,3)$ and is perpendicular to $y=\frac{3}{2}x+6$

4. Write the equation of the line that goes through the point $(5,9)$

   a) and is parallel to $y=3$

   b) and is perpendicular to $y=-2$

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