Math 1 Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**5-2 & 5-3 Learn Check** Date\_\_\_\_\_\_\_\_

* *I can find the equation of a line parallel to another line through a given coordinate.*
* *I can find the equation of a line perpendicular to another line through a given coordinate.*
* *I can find the distance between two points.*
* *I can find the midpoint of a line segment.*

1. Find the equation of the line parallel to  that passes through the point (8, -3). Put your equation in slope-intercept form.

A.  B.  C.  D. 

2. Find the equation of the line perpendicular to  that passes through the point (8, -3). Put your equation in slope-intercept form.

A.  B.  C.  D. 

3. Find the midpoint for a line segment with the following endpoints: (2, -7) & (-6, -12)

A.  B.  C.  D. 

4. Find the length of the line segments with endpoints: (2, -7) & (-6, -12).

A.  B.  C.  D. 

**OVER🡪**

5. Find the equation of the perpendicular bisector for the line segment from (-4, -2) to (6, 3). Write your equation in slope-intercept form.