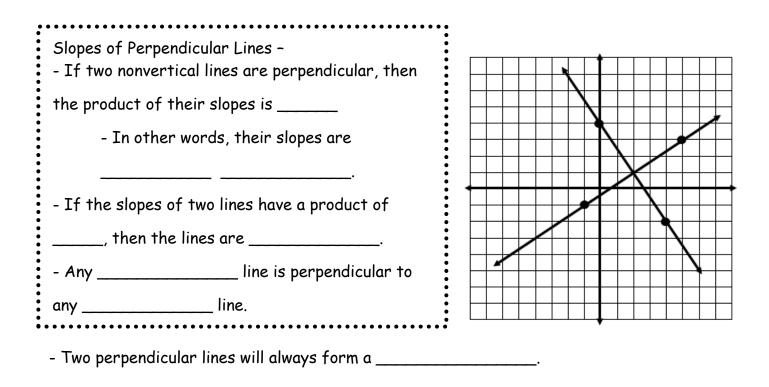


Example 1 - Are the lines  $y = -\frac{1}{2}x + 5$  and 2x + 4y = 9 parallel?

Write an equation in slope intercept form for the line parallel to y = -4x + 3 that contains the point (1, -2).

Write an equation of a line that is parallel to y = 7 and goes through (2,3).



Example 2 - Write an equation in slope-intercept form for the line through (-3, 7) and perpendicular to y = -3x - 5.

Write an equation in slope-intercept form for a line perpendicular to 5x + 2y = 1 and contains the point (10, 0).

This document is 100% funded by the MoSTEMWINs \$19.7 million grant from the U.S. Department of Labor, Employment and Training Administration (TAACCCT). The product was created by the grantee and does not necessarily reflect the official position of the U.S. Department of Labor. The Department of Labor makes no guarantees, warranties or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership.



This MoWINs product was created by North Central Missouri College and is licensed under the <u>Creative Commons Attribution 4.0</u> International License