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| Parallel Lines | **Perpendicular Lines**  |
|  Write an equation in slope-intercept form of the line that passes through $(1, 3)$ and is parallel to $y=3x+2$. | Write an equation in slope-intercept form of the line that passes through $(1, 3)$ and is perpendicular to $y=3x+2$. |
|  Write an equation in slope-intercept form of the line that passes through $(-3, 2)$ and is parallel to $4x+y=9$. | Write an equation in slope-intercept form of the line that passes through $(-3, 2)$ and is perpendicular to $y-1=-4(x-2)$. |
|  Write an equation in slope-intercept form of the line that passes through $\left(-3, 2\right) $and is parallel to $-2x+y=-5$. | Write an equation in slope-intercept form of the line that passes through $\left(-3, 2\right) $and is perpendicular to $y+3=2x-2$. |

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date \_\_\_/\_\_\_/\_\_\_ Period \_\_\_

**Parallel and Perpendicular lines**





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| Parallel Lines | **Perpendicular Lines**  |
|  Write an equation in slope-intercept form of the line that passes through $(1, 3)$ and is parallel to $x=1$ | Write an equation in slope-intercept form of the line that passes through $(1, 3)$ and is perpendicular to $x=1$. |
|  Write an equation in slope-intercept form of the line that passes through $(-3, 2)$ and is parallel to $y=2$. | Write an equation in slope-intercept form of the line that passes through $(-3, 2)$ and is perpendicular to $y=2$. |
|  Write an equation in slope-intercept form of the line that passes through $(-5, -6) $and is parallel to the $x-axis$.  | Write an equation in slope-intercept form of the line that passes through $(-5, -6) $and is perpendicular to the $x-axis$. |
| Write an equation in slope-intercept form of the line that passes through $(4, -3) $and is parallel to the $y-axis$.  | Write an equation in slope-intercept form of the line that passes through $(4, -3) $and is perpendicular to the $x-axis$.  |





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| Write an equation of a line that passes through $(5, -2)$ and is parallel to $y=-1$.Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date \_\_\_/\_\_\_/\_\_\_ Period \_\_\_**Parallel and Perpendicular Lines - Homework** | Write an equation of a line that passes through $(-5, -6)$ and is perpendicular to the x-axis. |
| Write an equation of a line that passes through $(-7, 2)$ and is perpendicular to $-4x+y=6$. | Write an equation in slope-intercept form of the line that passes through $\left(-1, 3\right)$ and is parallel to $y=4x+5$. |
| Write an equation in slope-intercept form of the line that passes through $(-3, 4)$ and is parallel to $ y=-2x+ 5$. | Write an equation of a line that passes through the origin and is perpendicular to $y-2=\frac{3}{4}\left(x+1\right)$.  |

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_/\_\_\_/\_\_\_ Period \_\_\_

**Parallel and Perpendicular Lines - Classwork**