|  |  |
| --- | --- |
| 1. Write the equation of a line that has a slope of -½ and passes through the point (4,0). | 1. Calculate the x and y intercept of the line   **4x – 7y = 28** |
| 1. Write the equation of a line that is perpendicular to the line below.   y    (4, 3)  ( 2, 2)  x | 1. Write the equation of a line that is parallel to the line below.   y    (8, 6)  ( 3, 4)  x |
| 1. Calculate the slope and y intercept of the line   **5x + 4y = 12** | 1. Write the equation of a line that is parallel to the line **y = -1/3x + 2** and that passes through the point (3, 4). |
| 1. Write the equation of a line that is perpendicular to the line **y = -1/3x + 2** and that passes through the point (3, 4). | 1. If Line A passes through the points (-2, 4) and (5, k), and is parallel to the graph of **y = 3x + 4**, what is the value of k? |
| 1. Write the equation of a line that is parallel to the graph of **y = 4** | 1. Write the equation of a line that is perpendicular to the graph of **x = 3** |
| 1. Is the point (12, 21) on the line **2x + 3y = 85**? Explain your answer. | 1. Graph a line that is parallel to the line **2x + 7y = 14.** |