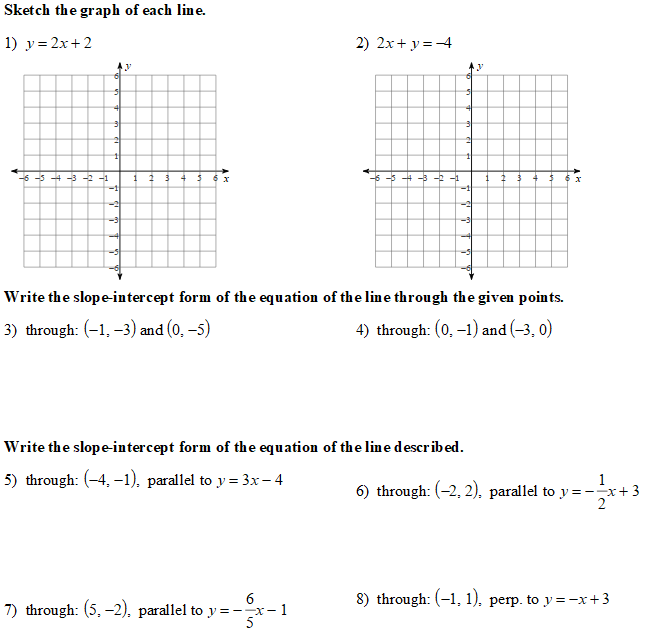
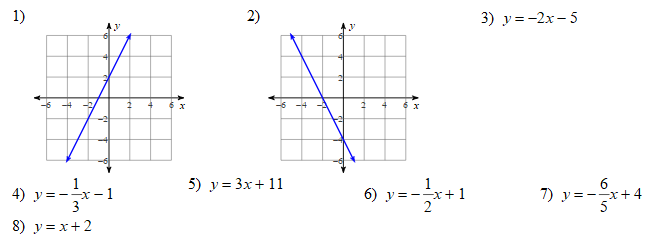
**Section 1.1 – Parallel and Perpendicular Lines**

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| **Bell Ringer** | Graph the following lines:    Given the graphs, write the equations for each line in *BOTH* slope-intercept and point-slope forms. |

**Additional Notes/Announcements:**

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| **Notes and Examples** | **New Material** |
| The **slope-intercept** form of a line is given below, where *m* is the slope of the line, and *b* is the y-intercept.  The **point-slope** form of a line is given below, where *m* is the slope of the line and the point *(a, b)* is any point on the line.  **Examples:** Write the equations of each line in both forms. |
|  | **Parallel** lines have the same slopes.  **Perpendicular** lines have slopes that are opposite in sign and reciprocals.  **Examples**: Write the equation of each line that satisfies the conditions in both slope-intercept and point-slope forms. |

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