***MPM 1D – Graphs and Equations of Lines*** Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Find the equation of each line in either the form or .

In both cases, you will need the slope and y-intercept.

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Graph each line. Start with the y-intercept, then use the slope to find other points.

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| 1. x = –2 |  |
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Find the equation of a line that:



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| 1. Has a y-intercept of 2, and passes through the point (2,3) | 1. Has a y-intercept of 3, and passes through the point (1, 1) |
| 1. Has a slope of , and passes through the point (–4, 1) | 1. Has a slope of , and passes through the point (3, –2) |
| 1. Has a slope of , and passes through the point (2, 5) | 1. Passes through the points (–2, 1) and (2, 3) |
| 1. Passes through the points (1, 2) and (3, –4) | 1. Passes through the points (1, 4) and (8, 18) |

Add vertical and horizontal lines