

If you have trouble with any of the following, you will have trouble on the exam.

Exercise

1. What is the slope and the y-intercept of $y = -5x + 8$? Why?
 2. Find the slope and y-intercept of the line $5x + 12y = 3$.
 3. Are the lines $y = 3x + 17$ and $y = 3x - 5$ parallel? Why?
 4. Are the lines $y = 2x + 17$ and $y = 3x + 17$ parallel? Why?
 5. Write the equation in standard form of the line through points $(2, -5)$, $(-8, -11)$.

 6. Write the equation in standard form of the line through point $(2, -5)$ and parallel to the line $y = \frac{-3}{7}x - 1$.
 7. Find the point of intersection of the lines $y = \frac{5}{4}x + \frac{7}{4}$ and $y = \frac{5}{2}x - \frac{1}{2}$.
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