

Classwork on linear functions

Find the slope for the following problems:

1. $(4, -3)$ and $(1, 6)$	2. $(5, 4)$ and $(5, 2)$	3. $(-5, 2)$ and $(1, -1)$
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4. Write the equation of the line that passes through the points $(4, 5)$ with slope of $\frac{2}{3}$.
5. Write the equation of the line that passes through the points $(-2, 4)$ and $(1, 10)$.

Convert the following from **standard form**:

6. $y = \frac{2}{3}x - \frac{5}{3}$	7. $-2x + 3y - 8 = 0$	8. $y - 5 = \frac{1}{2}(x + 3)$
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Convert the following from to **slope intercept**:

9. $3y = 5x + 2$	10. $-x - 2y = 6$	11. $y + 7 = -2(x + 4)$
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