Converting to Slope-Intercept Form

Rewrite each equation in slope-intercept form: $y = mx + b$. **(Some problems may require distributing or combining like terms first.)**

1. $2y = 3x + 8$

2. $5y - 10x = 15$

3. $y - 4x = 9$

4. $3(x - 2) + y = 7$

5. $2y + 6 = 4x - 2$

6. $4(x + 1) - 2y = 10$

7. $3y = 2x - 9$

8. $2(x - 5) + 3y = 1$

9. $y + 2x = 3x - 6$

10. $2y - 3x = 4y + 5$

11. $\frac{1}{2}y + 3x = 5$

12. $0.5y - 2x = 3$

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1. $2y = 3x + 8$

$y = \dfrac{3}{2}x + 4$

2. $5y - 10x = 15$

$y = 2x + 3$

3. $y - 4x = 9$

$y = 4x + 9$

4. $3(x - 2) + y = 7$

$y = -3x + 13$

5. $2y + 6 = 4x - 2$

$y = 2x - 4$

6. $4(x + 1) - 2y = 10$

$y = 2x - 3$

7. $3y = 2x - 9$

$y = \dfrac{2}{3}x - 3$

8. $2(x - 5) + 3y = 1$

$y = -\dfrac{2}{3}x + \dfrac{11}{3}$

9. $y + 2x = 3x - 6$

$y = x - 6$

10. $2y - 3x = 4y + 5$

$y = -\dfrac{3}{2}x - \dfrac{5}{2}$

11. $\dfrac{1}{2}y + 3x = 5$

$y = -6x + 10$

12. $0.5y - 2x = 3$

$y = 4x + 6$

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