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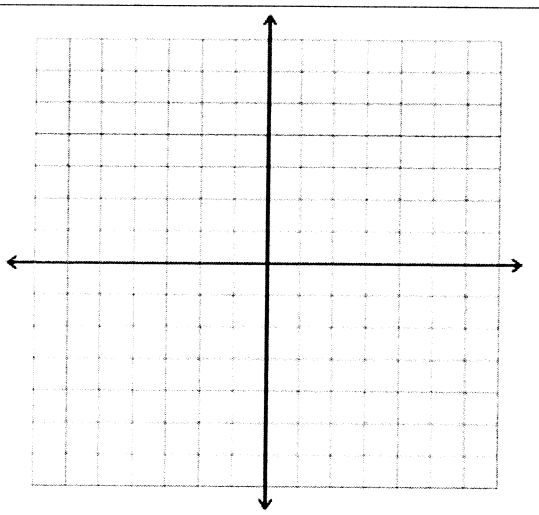
Chapter 7 Test Review

Question	Solution
1. Solve the system of linear equations by graphing (Hint: Use your calculator or graph by hand using the slope and y-intercept) $y = 2x - 3$ $y = x - 1$	 **Solution:** (2, 1)
2. Solve using substitution. $y = 2x$ $7x - y = 15$	**Solution:** (3, 6)
3. Solve using elimination. $x + 2y = 9$ $-3x - 2y = -7$	**Solution:** (-1, 5)

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4. Solve using any method. $2x + 7y = -7$ $5x + 7y = 14$	**Solution:** (7, -3)
5. Solve using any method. $5y = x$ $2x - 3y = 7$	**Solution:** (5, 1)
6. Solve using any method $3x + 5y = 10$ $x - 5y = -10$	**Solution:** (0, 2)

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7. Does the following system of equations have one solution, no solution or infinitely many solutions? $y = 2x$ $y = 2x - 5$	**Circle your answer** One Solution No Solution Infinitely Many Solutions
8. Does the following system of equations have one solution, no solution or infinitely many solutions? (Hint: put both equations in y = mx + b form first) $x + y = 4$ $2x + 4y = 10$	**Circle your answer** One Solution No Solution Infinitely Many Solutions
9. Does the following system of equations have one solution, no solution or infinitely many solutions? (Hint: put both equations in y = mx + b form first) $y = 3x + 1$ $2y = 6x + 2$	**Circle your answer** One Solution No Solution Infinitely Many Solutions