Algebra 1CP Systems Review

On a separate sheet of paper complete the following. Make sure you are writing the question and boxing your answer.

|  |  |
| --- | --- |
| 1. Graph the system:

$$y=3x$$$$4x+2y=30$$ | 8. Solve the system using the best method:$$2x-3y=5$$$$y=-6x$$ |
| 1. Graph the system of inequalities:

$$x\leq 2$$$$y+3\geq 5$$ | 9. Solve the system using the best method:$$-7x+3y=-4$$$$2x+3y=5$$ |
| 1. Solve the system with elimination:

$$-6x+16y=-8$$$$6x-8y=16$$ | 10. The New York Yankees and the Cincinnati Reds together have won a total of 31 World Series’. The Yankees have won 5.2 times as many as the Reds.a. Write a system that represents the situation.b. How many World Series’ has each team won? |
| 1. Solve the system with elimination:

$$4x-y=4$$$$x+2y=3$$ |
| 1. Solve the system with substitution:

$$y=7-x$$$$2x-y=8$$ | 11. The cost for tickets to a school play are shown. A group of 11 people bought tickets. If the total cost was $156, how much of each type did they buy? Write a system and solve.

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| --- | --- |
| Type of Ticket | Price per ticket |
| Adults | $15 |
| Students | $12 |

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| 1. Solve the system with substitution:

$$3x+y=6$$$$y+2=x$$ |
| 7. Solve the system using the best method:$$y=2x+1$$$$y=-3x+1$$ |

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