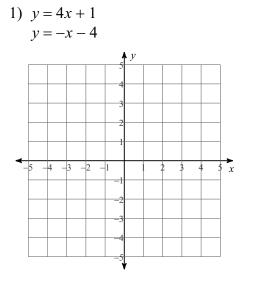
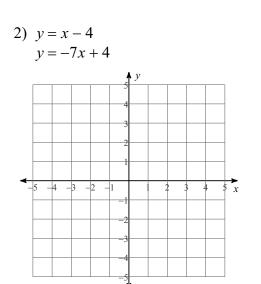
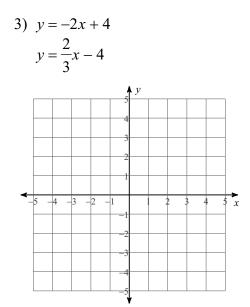
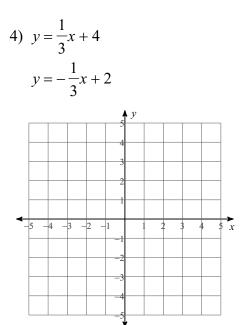
Assignment

Solve each system by graphing.









Solve each system by substitution.

5) -6x + 6y = -6y = 3x + 11

6) 5x - 8y = 16y = -2x - 23 Period

7)
$$y = -5x - 15$$

 $y = 3x + 1$
8) $6x - 3y = 15$
 $x - 5y = 7$

Solve each system by elimination.

9)
$$-9x - 3y = 24$$

 $9x + 6y = -21$
10) $x + 5y = -23$
 $x + 7y = -29$

11)
$$x + 5y = 5$$

 $-2x - 4y = 2$
12) $2x - 4y = 12$
 $3x + 10y = 18$

- 13) Stephanie and Eduardo are selling cookie dough for a school fundraiser. Stephanie sold 10 packages of sugar cookie dough and 3 packages of oatmeal cookie dough for a total of \$110. Eduardo sold 7 packages of sugar cookie dough and 4 packages of oatmeal cookie dough for a total of \$96. Find the cost each of one package of sugar cookie dough and one package of oatmeal cookie dough.
- 14) The indoor climbing gym is a popular field trip destination. This year the senior class at High School A and the senior class at High School B both planned trips there. The senior class at High School A rented and filled 8 vans and 11 buses with 717 students. High School B rented and filled 2 vans and 14 buses with 798 students. Each van and each bus carried the same number of students. Find the number of students in each van and in each bus.
- 15) A movie theater sells adult tickets for \$9.00 each. Students receive a discount of \$3.00 off. One evening the theater sold 636 tickets for a total of \$4,974. How many tickets were sold to students?

16) If (x,y) is a solution to the system of equations given below, what is the value of y - x?

$$x + y = 14$$
$$3x + y = 2$$

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Answers to Assignment (ID: 1)

1) $(-1, -3)$	2) (1, -3)	3) (3, -2)	4) (-3, 3)
5) $(-6, -7)$	6) (-8, -7)	7) (-2, -5)	8) (2, -1)
9) (-3, 1)	10)(-8, -3)	(-5, 2)	12)(6,0)
13) package of suga	r cookie dough \$8 packag	e of oatmeal cookie dough	· \$10

13) package of sugar cookie dough: \$8, package of oatmeal cookie dough: \$10

14) Van: 14, Bus: 55 15)

16)