CC8 Name_____

© 2017 Kuta Software LLC. All rights reserved.

Response to Learning Check

Date_____ Period____

Solve each system by substitution.

1) $y = 7x + 23$
$-x - 5y = -7$

2) $y = -7x + 20$
$5x - 3y = -8$

3) $-6x - 3y = 8$
$2x + y = 7$

4) $x - y = -15$
$-3x - 5y = -19$

Solve each system by elimination.

5) $6x - 3y = -3$
$-12x + 6y = 18$

6) $-5x - 6y = 16$
$8x + 12y = -28$

7) $15x + 5y = -15$
$5x + 3y = -9$

8) $12x + 10y = 14$
$4x + 9y = -1$

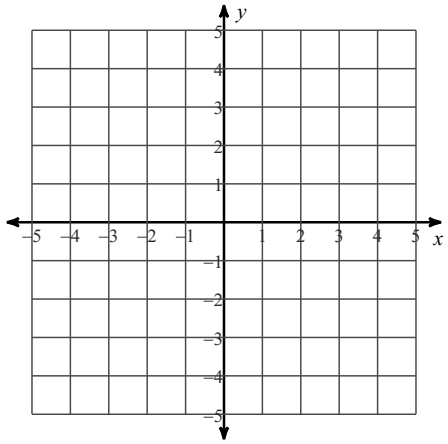
© 2017 Kuta Software LLC. All rights reserved.

Made with Infinite Algebra 1.

Solve each system by graphing.

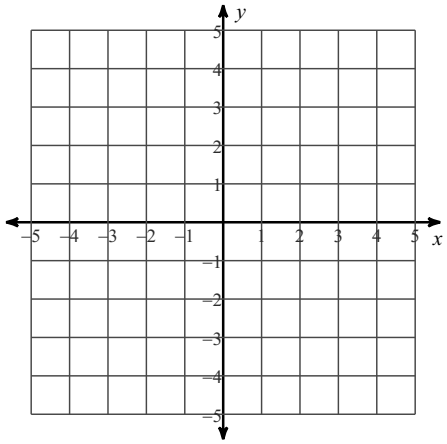
9) $y = \frac{2}{3}x - 1$

$y = -x + 4$



10) $y = -3x + 2$

$y = -\frac{1}{2}x - 3$



11) 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 14 vans and 1 bus with 220 students. High School B rented and filled 7 vans and 7 buses with 448 students. Each van and each bus carried the same number of students. How many students can a van carry? How many students can a bus carry?

12) Paul and Kim are selling fruit for a school fundraiser. Customers can buy small boxes of tangerines and large boxes of tangerines. Paul sold 6 small boxes of tangerines and 12 large boxes of tangerines for a total of $150. Kim sold 2 small boxes of tangerines and 8 large boxes of tangerines for a total of $90. What is the cost each of one small box of tangerines and one large box of tangerines?

© 2017 Kuta Software LLC. All rights reserved.

Made with Infinite Algebra 1.

Answers to Response to Learning Check

1) $(-3, 2)$
2) $(2, 6)$
3) No solution
4) $(-7, 8)$
5) No solution
6) $(-2, -1)$
7) $(0, -3)$
8) $(2, -1)$
9) $(3, 1)$
10) $(2, -4)$
11) Van: 12, Bus: 52
12) small box of tangerines: \$5, large box of tangerines: \$10

© 2017 Kuta Software LLC. All rights reserved. Made with Infinite Algebra 1.