Name _____   Date _____

Complete all the problems.

Solve using augmented matrices.

1. x + y = -3   2. 2x + y = -1

    x + 4y = -5   y = -6

3. 3x + 4y = -5   4. x + y = -7

    3y = -5   6x + 2y = -9

5. x = -6

    3x + 4y = -2

6. Conan runs a book shop. This morning he took two orders of books from his customers. The first order was for 3 books for grade 1 and 5 books for grade 3, at a cost of $ 61. The second order was 1 book for grade 1 at a cost of $7. How much do the books cost?

A book for grade 1 costs $ _____, and the book for grade 3 costs $ _____.

7. Mandy want to buy some watches for her relatives. She went to a watch shop and places two different orders for watches. The first order was for 3 kid's watches and 4 men's watch at a cost of $ 200. The second order was for one kid's watch at the cost of $ 20. How much do the orders cost?

1 kid's watch cost $ _____, and 1 men's watch cost $ _____.

Name _____   Date _____

8. Arlie wants to give some cell phones to his friends. He went to a shop he purchased 2 Apple iPhones and 6 Samsung smart phones at a cost of $ 680. Next day he went to the shop and returned 1 Samsung smart phone to the shopkeeper at a cost of $ 80. How much do the phones cost?

1 Apple iPhone costs $ _____, and the Samsung smart phone costs $ _____.

9. Bonny wants to buy jewelry for her wedding. She purchased 3 rings and 2 necklaces at a cost of $ 255. Next day, she went to the shop and purchased one more ring for her mother at a cost of $35. What is the cost of each piece?

Ring cost =$_____ , Necklace cost = $_____.

10. Candi told her father to get some notebooks and pencils. Her father went to the market and bought 6 notebooks and 12 pencils at a cost of $30. She realizes that she needs one more notebook. She calls her father and he goes back. He buys the notebook for $ 3. Now calculate the cost of per piece.

Notebook cost =_____ , Pencil cost = _____