Name: Date:

## Systems of Linear Equations - Word Problems

1. Adam and Shayna each improved their yards by planting flowers and shrubs. They bought their plants from the same store. Adam spent $\$ 205$ on 5 flowers and 10 shrubs. Shayna spent $\$ 120$ on 6 flowers and 5 shrubs. Find the costs for one flower and one shrub.
2. Brenda is selling cheesecakes for a school fundraiser. Customers can buy pecan cheesecakes for $\$ 7.75$ and chocolate marble cheesecakes for $\$ 9.50$. Brenda sold 39 cheesecakes all together and raised $\$ 349.50$ doing so. How many of each type were sold?
3. Asanji and Jessica each took a series of lessons. They were taking their lesson from the same trainers. Asanji spent $\$ 656$ on 8 hours of guitar lessons and 16 hours with a personal gym trainer. Jessica spent $\$ 460$ on 5 hours of guitar lessons and 12 hours with the same instructors. How much did each trainer charge per hour?
4. Darren is looking back at his investments for the year. He had $\$ 1720$ total in his investments, some of it in an account that earned $6 \%$ interest and some in an account that earned $5.5 \%$ interest. In total, he earned $\$ 98.20$ in interest. How much was invested in each account?
5. Flying with the wind a plane went 221 mph . Flying into the same wind the plane went only 175 mph . Find the speed of the wind and the speed of the plane in still air.
