**Solve for x and y using substitution**

1. -5x + 4y = 0

y = x + 9

1. 2x – 5 = -7

x = -y - 11

1. 2x – 2y = -2

x = 5y + 3

1. x + 3y = 7

y = 2x + 11

1. x2 – 2y = 1

x2 + 5y = 29

1. 3x2 – y2 = 11

x2 + 2y = 2

**Solve by graphing. Find intersected point to the nearest tenth**

1. { y – e-x = 1

{ y – lnx = 3

1. { x + 2y = 8

{ y = log2x

**Write a system of equations to describe the situation below, solve using substitution, and fill in the blanks.**

1. Jack is going to send some flowers to his wife. Fairview Florist $2 per rose, plus $39 for the vase. Nick’s Flowers, in contrast, charges $3 per rose and $14 for the vase. If Jack orders the bouquet with a certain number of roses, the cost will be the same with either flower shop. How many roses would there be? What would the total cost be?

If the bouquet contains \_\_\_\_\_\_ roses, it will cost $\_\_\_\_\_\_.

1. Mr. Wilson and Ms. Hurst are teaching their classes how to write cursive. Mr. Wilson has already taught his class 2 letters. The students in Ms. Hurst’s class, who started in the unit later, currently know how to write 12 letters. Mr. Wilson plans to teach his class 5 new letters per week, and Ms. Hurst intends to cover 4 new letters per week. Eventually, the students in both classes will know how to write the same number of letters. How many letters will the students know? How long will that take?

The students in both classes will know how to write \_\_\_\_\_\_\_\_\_ letters in cursive in \_\_\_\_\_\_\_\_\_\_ weeks.