

Math Quiz –6.2 Find a point by *Elimination* (8th)

Name: _____

Find the solution to this system by
ELIMINATION.

1.
$$\begin{cases} -2y = 6x + 3.8 \\ 5x + 2.8 = 2y \end{cases}$$

2.
$$\begin{cases} 5x + y = 62 \\ 3x + y = 44 \end{cases}$$

3.
$$\begin{cases} 2x + y = 2 \\ 5x - 3y = 27 \end{cases}$$

4.
$$\begin{cases} -10 - 12x = -6y \\ 24y + 37 = -18x \end{cases}$$

Find the solution to the word problem below.
First write the two equations, then solve for
each variable.

5. The sum of two numbers is -12.43 and
their difference is 117.77. What are the
two numbers?

5a. equation 1:

5b. equation 2:

5c. answer

6. Todd charges twice as much for tutoring
as he does for baby-sitting. One week he
earned \$105 for tutoring 4 hours and for
baby-sitting 6 hours. How much does he
charge for each activity.

6a. equation 1:

6b. equation 2:

6c. answer