Simultaneous Equations & Quadratic Equations

Simultaneous Equations

1. Find the value of the two variables in the given problem.



2. Find the value of the two variables in the given problem.

$$3y = -12$$
$$5x - 2y = 13$$



3. Find the value of the two variables in the given problem.



4. Find the value of the two variables in the given problem



Quadratic Equations

5. Solve for x

 $3x^2 + 10x = 8$



 $2x^2 + x - 3 = 0$



7. Solve for x

$$(2x-3)(x+5) = 0$$



8. Solve for x

 $\frac{4x^2-3}{11} = x$

9. Using the –b formula solve for x.

 $3x^2 + 10x + 4 = 0$







11. Quadratic Equation using substitution, find values for x and y...

 $x^{2} - 2x - 8 = 0$ (y - 3)² - 2(y - 3) - 8 = 0



12. If the root the values of a quadratic function are as given below construct the corresponding function, form the corresponding quadratic equation.

$$x = 2$$
 , $x = 3$



13. If the root the values of a quadratic function are as given below construct the corresponding function, form the corresponding quadratic equation

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x = -1, x = 1
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14. If the root the values of a quadratic function are as given below construct the corresponding function, form the corresponding quadratic equation

