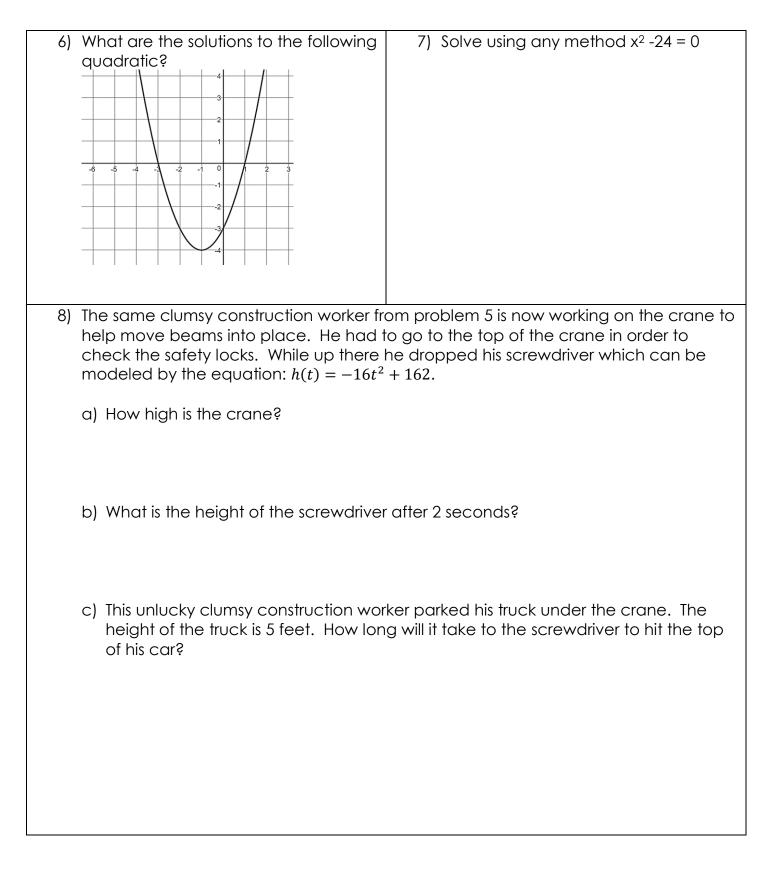
Mixed up Quadratic Solving! Each page will be a mixture of different types of problems. Complete every problem on the page before getting checked off and moving to a different color. GOAL: Can you ACCURATELY complete 2 sheets? 1) What are the solutions to the graph 2) Use the quadratic formula to solve the  $x^2 + 3x - 1 = 0$ shown below? equation 3) Solve by factoring: 4) What are the solutions to the following  $3x^2 + 20x + 12 = 0$ equation?  $3(x-4)^2 + 4 = 25$ 5) A construction worker was standing on top of a new bridge being built over I-75. He accidently dropped his hammer from the top of the bridge. The path that the hammer took to hit the ground can be modeled by the equation  $h(t) = -16t^2 + 35$ . About how many seconds will it take for his hammer to hit the ground? FLIP TO BACK!

Date:

Name:



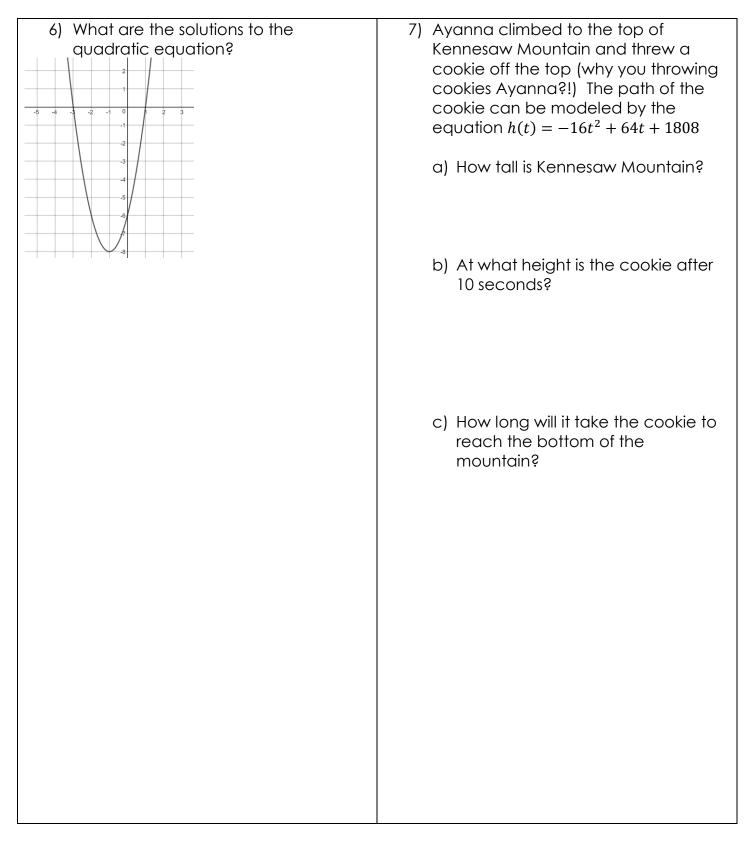
WHO IS THAT HISPANIC WOMAN? **DR. ELLEN OCHOA-** THE FIRST HISPANIC WOMAN IN THE WORLD TO GO INTO SPACE. SHE IS ALSO THE FIRST HISPANIC PERSON TO RUN NASA'S JOHNSON SPACE CENTER Date:\_\_\_

Mixed up Quadratic Solving! Each page will be a mixture of different types of problems. This will help you transition between each type of problem. Complete every problem on the page before getting checked off and moving to a different color.





1) Find the zeros of the following quadratic1) Use the quadratic formula to solve $x^2 + 11x + 2 = 0$ 1) Use the quadratic formula to solve $x^2 + 11x + 2 = 0$ 2) Solve by factoring $5x^2 + 16x + 3 = 0$ 3) Solve using any method $2(x - 5)^2 + 6 = 32$ 4) Solve by any method $x^2 + 18x + 5 = -60$ 5) A basketball has been stuck on the top of the roof of Sprayberry for months. Finally a big gust of wind came and knocked the ball down. It can be modeled by the equation $h(t) = -16t^2 + 26$ . How many seconds does it take for the basketball to hit the ground?FLIP TO BACKI		
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	FLIP TO BACK!	



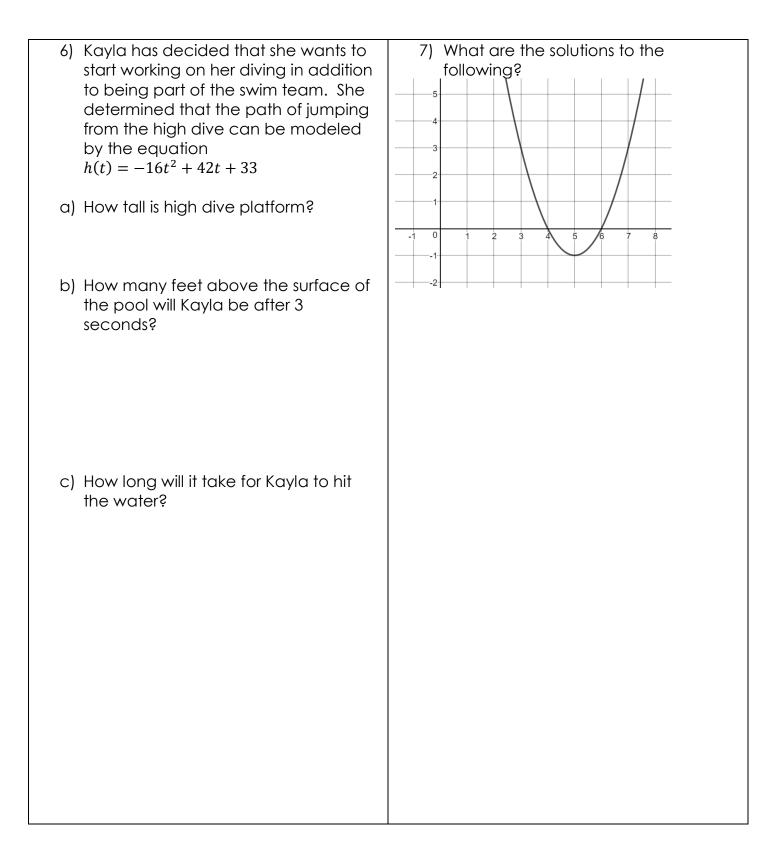
WHO IS THAT HISPANIC WOMAN? **RITA MORENO-** A PIONEER FOR ALL HISPANIC ACTORS AND ACTRESSES. HER CAREER SPANNED OVER 70 YEARS AND IS ONE OF ONLY 23 PEOPLE EVER TO HAVE ACHIEVED AN AWARD IN EVERY MAJOR ACTING CATEGORY- AN OSCAR, AN EMMY, A GRAMMY, AND A TONY.

Date: Mixed up Quadratic Solving! Each page will be a mixture of different types of problems. This will help you transition between each type of problem. Complete every problem on the page before getting checked off and moving to a different color.

## GOAL: Can you complete 2 sheets?

1) Find the roots of the following parabola	1) Dr. Oldham is starting up a new company that sells custom Lego mini- figures that match what you look like. Her weekly profit can be measured by the equation $x^2 - 30x - 400$ . For what number of items would Dr. Oldham's profit be equal to zero?
2) Use the quadratic formula to solve $x^2 + 9x - 1 = 0$	3) Solve using any method $(x+2)^2 - 8 = 88$
4) Solve using any method $x^2 - 8x - 5 = 15$	5) Solve by factoring $2x^2 + 11x + 5 = 0$ FLIP TO BACK!

Name:\_\_



WHO IS THAT HISPANIC WOMAN? **SONIA SOTOMAYOR**- THE FIRST HISPANIC PERSON TO SERVE ON THE UNITED STATES SUPREME COURT. SHE ATTENDED BOTH PRINCETON AND YALE AND NOW SITS AS JUDGE ON THE HIGHEST COURT IN OUR COUNTRY!