CLASS PD_____





0.
What is the solution SET for the equation:
$y = 3x^2 - 15x - 72?$
A (2 Q)
A. $\{-3, -0\}$
B {3 8}
D. (0,0)
C. $\{3, -8\}$
D. {-3,8}

7.	8.
Which ordered pair represents one of the roots of the function $f(x) = 2x^2 + 3x - 20$?	Which points best represent the roots of the graphed quadratic equation shown below?
F $(-\frac{5}{2}, 0)$ G $(-4, 0)$ H $(-5, 0)$ J $(-20, 0)$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
	F $(6\frac{1}{2}, 0)$ and $(4\frac{1}{2}, 6)$ G $(4\frac{1}{2}, 6)$ and $(2\frac{1}{2}, 0)$ H $(2\frac{1}{2}, 0)$ and $(6\frac{1}{2}, 0)$ J $(0, 2\frac{1}{2})$ and $(0, 6\frac{1}{2})$ Quadratics"zeros", solutions, "roots' all mean the same They are the values of "x' if you make the equation = to zero. So, the answer if a TAKS question asks about "root", solutions or "zeros" are the places that the graph TOUCH the X axis.
9 Graph $y = 2x^2$ How many answers, solutions, roots or zeros does it have? What is the "root"?(,) Graph $y = 2x^2 + 3$ How many solutions does it have?	10. We cannot always tell from a graph what exactly is the answer, so use the "trace" function we learned in class to determine the "zeros" of the following quadratic: $y = 2x^2 - 6x - 3$ Remember, the calculator is making the best mathematical guess possible.
	x = {,}

 11. A function is described by the equation y = 2x² - 5x - 3, in which y is dependent on x. If a value for the independent variable is selected from the set {-4, -1, 0, 2, 5}, which of the following is a corresponding dependent value? A 9 B -6 C -5 D 0 	Pretty easy. Put the equation at y = Look at x = -4what is y? Is that an answer? Do the same for -1, 0, 2, 5. Which one gives you A,B,C or D?
12. The graph below shows the height of a baseball from the time it is thrown from the top of a building to the time it hits the ground.	What is the "c' value of this parabola? (also known as the y intercept?) What does that mean???? How high was the baseball when it was first thrown? When does the baseball approach 80 meters for the first time? When does it approach the 80-meter mark again? How much time has passed between these two points? Therefore, which is the correct answer?
How much time elapses while the baseball is 80 meters or more above the ground?	H 7 sec J 6 sec

