Level 1: Graph the equation and identify the VE	RTEX, AXIS of SYMMETRY, and Y-INTERCEPT.
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Level 2: Solve the equation using any method.				
1. $x^2 - 6x + 5 = 0$	2. $-19 = (x + 3)^2 - 7$	3. $2x^2 - 14 = 7x$		
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Level 3: Answer the question.

1. A softball is thrown into the air. The height *h* of the ball, in feet, can be written as a function of time *t*, in seconds, as $h = -16t^2 + 40t + 5$.

(a) At what time does the ball reach its maximum height? (No decimal)

(b) What is the maximum height the ball reaches?

(c) When is the ball 9 feet above the ground? (Exact answer and Approx answer)

(d) When does the ball hit the ground? (Exact answer and Approx answer)

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Level 4: Simplify the complex number and write in standard form.		
1.(3-7i)+(-2+i)	2. $(-1-6i)(4+5i)$	3.(9+3i)-(6-2i)
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1. $(3 - 1) + (-2 + 1)$	2. $(-1 - 6i)(4 + 5i)$	3. (9 + 3i) - (6 - 2i)

Level 5: Factor Completely		
$1 16x^2 - 9$	2. $4x^2 - 8x + 4$	$3 x^2 + 3x - 28$
1. 104 9	$\mathbf{Z}_{\mathbf{r}} = \mathbf{T}_{\mathbf{A}} \mathbf{T}_{\mathbf{A}} \mathbf{T}_{\mathbf{r}} \mathbf{T}_{\mathbf{r}}$	5. x + 5x = 20
Level 5. Factor Completely		
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1.10x - 9	2. $4x = 6x + 4$	3. x + 3x - 28

Level 6: Answer the question.

1. An archer's arrow follows a parabolic path. The path of the arrow can be described by the equation $y = -0.005x^2 + 2x + 5$, with x representing the horizontal distance the arrow travels and y representing the vertical distance the arrow travels.

a) Find the y-intercept. What does this value mean in the problem?

b) What is the highest distance that the arrow travels?

c) At what horizontal distance the arrow hit the ground?

d) if you wanted to hit a the center of a bulls eye 4.5 feet in the air, at what horizontal distance would you place the target?

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