## MathBits'

## Algebra 2 Caching

Name\_\_

## Alge2Caching ANSWER Sheet

Show all work on this paper. There is a printable "Certificate" available when you find the last hidden box. Start here: http://mathbits.com/caching/alg2opencache1.html



**1.** Which quadratic equation has roots 5i and -5i? = 0

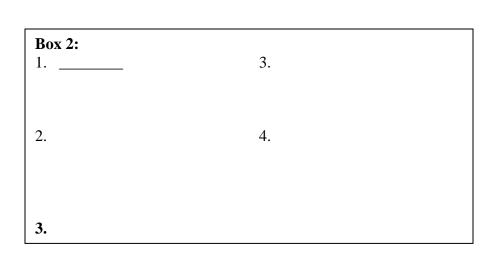
1) 
$$x^2 + 25 = 0$$
 2)  $x^2 - 25$ 

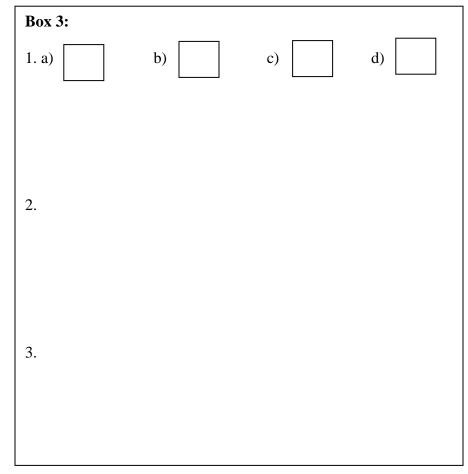
3)  $x^2 + 10x + 25 = 0$ 4)  $x^2 + 10x - 25 = 0$ 

2. Which of the numbered choices is the solution set to the equation  $x^5 - 10x^3 + 9x = 0$ ?

1) 
$$\{\pm 1, \pm 3\}$$
 2)  $\{0, \pm 1, \pm 3\}$  3)  $\{\pm 1, \pm 9\}$  4)  $\{0, \pm 1, \pm 9\}$ 

3. Which of the choices is the solution to:  $\sqrt{a-15} + \sqrt{a} = 3$ 1) 16 2) 4 3) -16 4) no solution





Box 4:		Box 6:
1.	2.	1.
		2.
3.		2.
		3.
		5.
4.		
4.		
Box 5:		Box 7:
Box 5: 1.		Box 7: 1.
1.		1.
1. 2.		
1.		1.
1. 2.		1.
1. 2. 3.		1.

Box 8:	Box 9:
1.	1.
2.	2.
	2.
3.	
	3.
4.	
5.	<b>Box 10:</b> Complete this URL of the winning box! http://mathbits.com/caching/AAhtml
	Remember that there is a printable "Certificate".