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

Box 1:

1. Which quadratic equation has roots $5i$ and $-5i$?

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

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 2:

1. _____ 3.

2. 4.

3.

Box 3:

1. a) ☐ b) ☐ c) ☐ d) ☐

2.

3.

Box 4:

1. 2. 

3.

4.

Box 6:

1.

2.

3.

Box 5:

1.

2.

3.

4.

Box 7:

1.

2.

Box 8:

1.

2.

3.

4.

5.

Box 9:

1.

2.

3.

Box 10: Complete this URL of the winning box!
http://mathbits.com/caching/AA_____.html

Remember that there is a printable "Certificate".