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| RS 1: Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Graph each piecewise:  |
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| RS 2: Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_1. Solve the system. 2. Solve the inequality.

  3. Write the function for the graph. 4. Write the function of the graph.   |
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  3. Write the function for the graph. 4. Write the function of the graph.   |

RS 3: Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Find all 6 Trigonometric Ratios. 2. Find the missing side.

3. Simplify 4. Simplify



RS 3: Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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RS 4: Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Solve each equation by using the Quadratic Formula.

1. $x^{2}+8x+5=0$ 2. $x^{2}+3=-6x+8$

If the discriminant is

3. negative then there are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ solutions.

4. positive then there are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ solutions.

5. 0 then there are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ solutions.

RS 4: Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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5. 0 then there are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ solutions.

RS 5: Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



RS 5: Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



RS 6: Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Solve each equation for x.

1. $x^{2}=81$ 2. $x^{2}=-25$

3. $x^{2}-5=15$ 4. $x^{2}+4=3x^{2}-10$

RS 6: Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Solve each equation for x.

1. $x^{2}=81$ 2. $x^{2}=-25$

3. $x^{2}-5=15$ 4. $x^{2}+4=3x^{2}-10$