RELAYS – SET ONE

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| 1. Write the equation of a circle with a center at (-2,3) and passes through the point (1,8). |
| 2. Find the measure of |
| 3. Write the equation of a circle with a center at (-5, 7) and a radius of 8. |
| 4. Find the value of x to make this line tangent to the circle. |

ANSWERS:

1. 2.

3. 4.

RELAYS – SET TWO

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| 1. Put into standard form of a circle: x2 + y2 – 6x + 16y – 8 = 0 |
| 2. Find the values of a, b, and c. |
| 3. Find the value of x. |
| 4. State the center and the radius of the circle: (x + 7)2 + (y – 3)2 = 121 |

ANSWERS:

1. 2.

3. 4.

RELAYS – SET THREE

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| 1. |
| 2. Write the equation of a circle with endpoints of a diameter going through (4, -2) and  (-8, 2). |
| 3. Find x and y. |
| 4. Solve for x and y. |

ANSWERS:

1. 2.

3. 4.

RELAYS – SET FOUR

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| 1. Find mD |
| 2. |
| 3. Find a, b, and c. |
| 4. Put into standard form: x2 – 4y + y2 + 10x = 7 |

ANSWERS:

1. 2.

3. 4.