**Names \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **Problem: x2 + y2 -6x+ 8y = 0** |

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| **Person A: Identify the conic**  **Person B check and initial \_\_\_\_\_** |
| **Person B: Put into standard form. Show all work.**  **Person A check and initial \_\_\_\_\_** |
| **Person A: State the characteristics of the identified conic : (choose the appropriate description below)**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Line: slope and y-intercept** | **Circle: radius and center** | **Ellipse: center, vertical or horizontal?** | **Hyperbola: center, vertical or horizontal** | **Parabola: direction the parabola opens, vertex, axis of symmetry, focus, directrix, focal chord.** |   **Person B check and initial \_\_\_\_\_** |
| **Person B: Graph it!**  [image]  **Person A check and initial \_\_** |
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**Names \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **Problem: 9x2 + 4y2 -18x -24y + 9 = 0** |

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| **Person A: Identify the conic**  **Person B check and initial \_\_\_\_\_** |
| **Person B: Put into standard form. Show all work.**  **Person A check and initial \_\_\_\_\_** |
| **Person A: State the characteristics of the identified conic : (choose the appropriate description below)**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Line: slope and y-intercept** | **Circle: radius and center** | **Ellipse: center, vertical or horizontal?** | **Hyperbola: center, vertical or horizontal** | **Parabola: direction the parabola opens, vertex, axis of symmetry, focus, directrix, focal chord.** |   **Person B check and initial \_\_\_\_\_** |
| **Person B: Graph it!**  [image]  **Person A check and initial \_\_** |
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**Names \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **Problem: 5x – 3y + 6 = 0** |

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| **Person A: Identify the conic**  **Person B check and initial \_\_\_\_\_** |
| **Person B: Put into standard form. Show all work.**  **Person A check and initial \_\_\_\_\_** |
| **Person A: State the characteristics of the identified conic : (choose the appropriate description below)**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Line: slope and y-intercept** | **Circle: radius and center** | **Ellipse: center, vertical or horizontal?** | **Hyperbola: center, vertical or horizontal** | **Parabola: direction the parabola opens, vertex, axis of symmetry, focus, directrix, focal chord.** |   **Person B check and initial \_\_\_\_\_** |
| **Person B: Graph it!**  [image]  **Person A check and initial \_\_** |

**Names \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **Problem: 25x2 -16y2 + 150x + 64y -239 = 0** |

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| **Person A: Identify the conic**  **Person B check and initial \_\_\_\_\_** |
| **Person B: Put into standard form. Show all work.**  **Person A check and initial \_\_\_\_\_** |
| **Person A: State the characteristics of the identified conic : (choose the appropriate description below)**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Line: slope and y-intercept** | **Circle: radius and center** | **Ellipse: center, vertical or horizontal?** | **Hyperbola: center, vertical or horizontal** | **Parabola: direction the parabola opens, vertex, axis of symmetry, focus, directrix, focal chord.** |   **Person B check and initial \_\_\_\_\_** |
| **Person B: Graph it!**  [image]  **Person A check and initial \_\_** |

**Names \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **Problem: 4y2 –x + 8y =0** |

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| **Person A: Identify the conic**  **Person B check and initial \_\_\_\_\_** |
| **Person B: Put into standard form. Show all work.**  **Person A check and initial \_\_\_\_\_** |
| **Person A: State the characteristics of the identified conic : (choose the appropriate description below)**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Line: slope and y-intercept** | **Circle: radius and center** | **Ellipse: center, vertical or horizontal?** | **Hyperbola: center, vertical or horizontal** | **Parabola: direction the parabola opens, vertex, axis of symmetry, focus, directrix, focal chord.** |   **Person B check and initial \_\_\_\_\_** |
| **Person B: Graph it!**  [image]  **Person A check and initial \_\_** |

**Names \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **Problem: 4x2 + y + 8x = -2** |

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| **Person A: Identify the conic**  **Person B check and initial \_\_\_\_\_** |
| **Person B: Put into standard form. Show all work.**  **Person A check and initial \_\_\_\_\_** |
| **Person A: State the characteristics of the identified conic : (choose the appropriate description below)**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Line: slope and y-intercept** | **Circle: radius and center** | **Ellipse: center, vertical or horizontal?** | **Hyperbola: center, vertical or horizontal** | **Parabola: direction the parabola opens, vertex, axis of symmetry, focus, directrix, focal chord.** |   **Person B check and initial \_\_\_\_\_** |
| **Person B: Graph it!**  [image]  **Person A check and initial \_\_** |

**Names \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **Problem:** |

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| **Person A: Identify the conic**  **Person B check and initial \_\_\_\_\_** |
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| **Person B: Graph it!**  [image]  **Person A check and initial \_\_** |