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

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

|  |
| --- |
| **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 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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

|  |
| --- |
| **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 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

|  |
| --- |
| **Problem: 5x – 3y + 6 = 0** |

|  |
| --- |
| **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 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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

|  |
| --- |
| **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 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

|  |
| --- |
| **Problem: 4y2 –x + 8y =0** |

|  |
| --- |
| **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 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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

|  |
| --- |
| **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 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

|  |
| --- |
| **Problem:**  |

|  |
| --- |
| **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 \_\_**  |