Problem: Classify the type of courc curves given by quadratic equations.

Find its center or vertex, and their axes:

1. 
$$4x^2 + |0xy + 4y^2 - 2x + 2y + |8 = 0$$

2. 
$$8x^2 + 2y^2 + 8xy - 6x - 8y + 1 = 0$$

3. 
$$5x^2 + 4xy + 2y^2 - 24x - 12y + 18 = 0$$
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