9. [12 points] Match each of the following differential equations with its possible slope field. Circle your answers. No justification is required.

(a) \( y' = ay \) with \( a > 0 \).

(b) \( y' = k(y - a) \) with \( a > 0 \) and \( k < 0 \).

Graphs for differential equations:

(a) \( y' = x(y - ax) \) with \( a > 0 \).

(b) \( y' = ay^2 - y \) with \( a > 0 \).