Which of the graphs below are “round-trip tourable”, meaning you can start at a dot, trace a route going along every line exactly once, and end at the starting dot?

Can a graph have an even number of lines and be “round-trip tourable”?
Can a graph have an odd number of lines and be “round-trip tourable”?
Can a graph have as many dots as lines and be “round-trip tourable”?

Three of the graphs that are not “round-trip tourable” can be made “round-trip tourable” by adding only one line to each graph. Find and “fix” those three graphs.