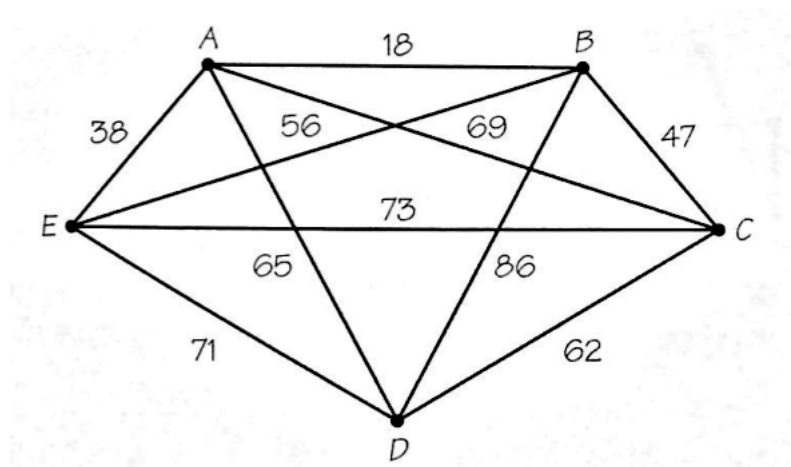


1. (a) Find the chromatic number of the following graph: (ignore the weights)



- (b) What is the chromatic number of a complete graph on n vertices?

2. Find a three-coloring of the following graph. Can you find a two-coloring? What does this tell you about the chromatic number of the graph? (ignore the weights)

