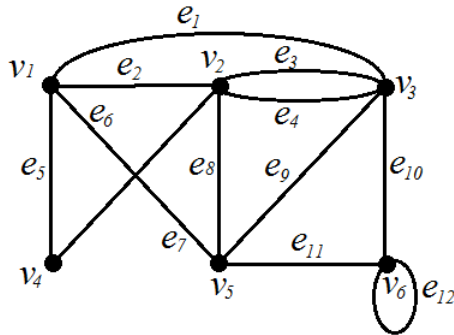


Math 270 - Basic Discrete Mathematics
Practice Quiz on Section 1.4

Solutions

Directions: Answer the problems given below.

1. Use the graph G given below to answer parts a.-d..



a. How many edges does G have? 12

b. List all parallel edges of G , if any exist: e_3 and e_4

c. Identify all loops of G , if any exist: e_{12}

d. Find the degrees of all of the vertices:

$$\deg(v_1) = \underline{4}$$

$$\deg(v_4) = \underline{2}$$

$$\deg(v_2) = \underline{5}$$

$$\deg(v_5) = \underline{4}$$

$$\deg(v_3) = \underline{5}$$

$$\deg(v_6) = \underline{4}$$

↑
Remember, loops get counted twice!