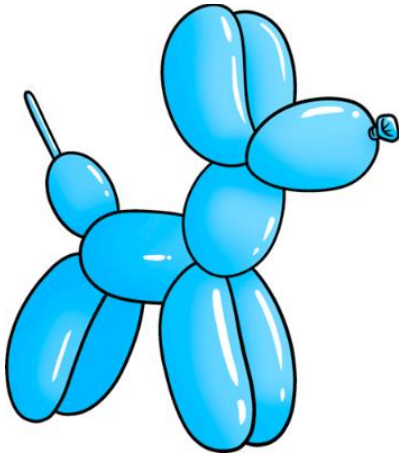# Network Modelling - Test Review

Draw Graphs to model each of the following situations.
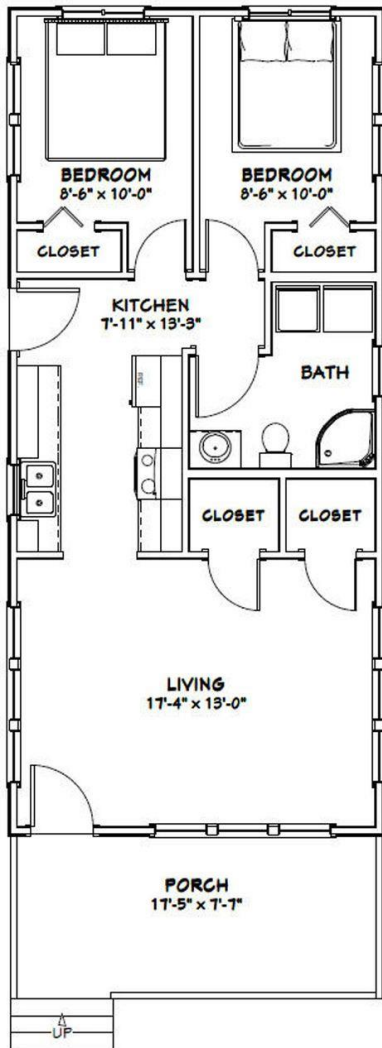
(a)

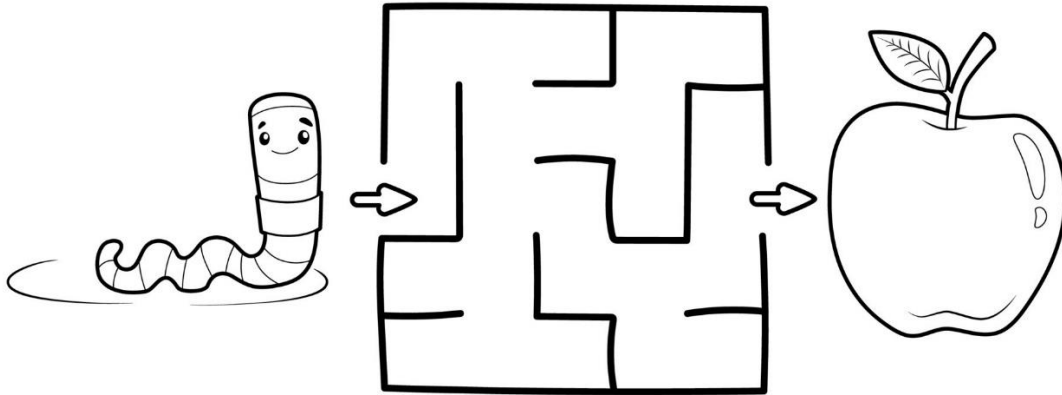(b)

(c)

(d) Construct a graph diagram from the following information representing the production of fruit at a canary.

	Activity	Predecessors
A	Receive from farm	-
B	Sort the fruit	A
C	Slice the fruit	B
D	Produce cans	-
E	Produce syrup	-
F	Produce labels	D
G	Store in cans	C, E, F
H	Packages in Boxes	G
J	Ship the fruit	H

(e) This maze:

(f) I was going through some old family photos in the attic when I stumbled upon our family tree. I studied it for a couple minutes then went back down stairs to tell my mom about the family tree. The problem is I didn't study it long enough to remember the whole thing. I only remembered a couple things about it, and recent memories. Can you help me figure out my family tree? There are two grandparents, who had two children, who both got married and had 2 more children each. Totaling 10 people in all (Alex, David, Jamie, Jessica, John, Justin, Lincoln, Martha, Mary and Tina).

      1. One of Jamie's ancestors was David.

      2. John's sister gave birth to Tina.

      3. Mary went bowling with her nephew last Saturday.

      4. Alex is cousins with one of the girls.

      5. Justin married Mary.

      6. Jessica is not an ancestor, nor cousin of Tina.

      7. Lincoln's brother showed Justin's son his baseball cards.