

EXERCISE 4

A.

- (1) If John was in the vineyard, then all the grapes were eaten.
- (2) All the grapes were eaten.
- (3) So, John was in the vineyard.

B.

- (1) All bears are mammals.
- (2) All mammals are warm-blooded.
- (3) Therefore, all bears are warm-blooded.

C.

- (1)
- (2) Some animals are whales.
- (3) Therefore, some whales are not bears.

D.

- (1) Either Bob stole the kiwis or Jane did.
- (2) Jane did not steal the kiwis.
- (3) Therefore, Bob did.

E.

- (1) If God wrote the Bible, then God exists.
- (2) God wrote the Bible.
- (3) Therefore, God exists.

F.

- (1) Either Jimmy goes to SLU or Jimmy goes to UMSL.
- (2) If Jimmy goes to SLU, then Jimmy lives in St. Louis.
- (3) If Jimmy goes to UMSL, Jimmy lives in St. Louis.
- (4) So, Jimmy lives in St. Louis.

G.

- (1) All men are mortal.
- (2) Socrates is not a man.
- (3) Therefore, Socrates is not mortal.

H.

- (1) If Jane goes to the party, then Elizabeth will go to the party.
- (2) Elizabeth will go to the party.
- (3) So, Elizabeth will go to the party.

I.

- (1) Everything that begins to exist has a cause.
- (2) The universe began to exist.
- (3) Therefore, the universe has a cause.

J.

- (1) Physicists unanimously agree that 80% of the universe is made up of dark matter.
- (2) So, 80% of the universe is made of dark matter.

K.

- (1) It is 99.999999999999999999% probable that Jon will get a sandwich after class.
- (2) Therefore, Jon will get a sandwich after class.

L.

- (1) All parties are fun.
- (2) The Bull Moose party is a party.
- (3) Therefore, the Bull Moose party is fun.

M.

- (1) There are fifteen planets.
- (2) So, there are fifteen planets.

N.

- (1) Either Jane drank the last Coke or John drank the last Coke or Catherine drank the last Coke or David drank the last Coke or Joe drank the last Coke.
- (2) Jane did not drink the last Coke, John did not drink the last Coke, and Catherine did not drink the last Coke.
- (3) So, either Fr. David or Joe drank the last beer.

O.

- (1) The sign on I-64 East right across the bridge from St. Louis says that Indianapolis is 200 miles away.
- (2) So, Indianapolis is 200 miles away from that sign.