
Complete the following problems. Show all work and explain your reasoning.

1. Use an Euler diagram to analyze the validity of the following argument:

Some nurses wear blue uniforms.
Dee Boyle is a nurse.

 \therefore Dee Boyle wears a blue uniform.

2. Use an Euler diagram to analyze the validity of the following argument:

All chickens have beaks.
All hens are chickens.

 \therefore All hens have beaks.

There is another problem on the back.

3. Use a truth table to analyze the validity of the following argument:

If she buys another pair of shoes, her closet will overflow.

Her closet will overflow.

\therefore She buys another pair of shoes.