

Name _____

Date _____

Class Sec. _____

Homework – Deductive Syllogisms: Validity Practice

Instructions: Determine if the following arguments below are valid or invalid by circling either selection.

P1: If the light is on, power is running

P2: Power is running.

C: Therefore, the light is on.

VALID / INVALID

P1: All roses are flowers.

P2: Some plants are roses.

C: Therefore, some plants are flowers.

VALID / INVALID

P1: If the store is open, the lights are on.

P2: The store is not open.

C: Therefore, the lights are not on.

VALID / INVALID

P1: If the alarm is set, then the door will lock.

P2: The door is locked.

C: Therefore, the alarm is set.

VALID / INVALID

P1: All snakes are reptiles.

P2: Some frogs are snakes.

C: Therefore, some frogs are reptiles.

VALID / INVALID

P1: If the oven is on, then the kitchen will be warm.

P2: The kitchen is not warm.

C: Therefore, the oven is not on.

VALID / INVALID

P1: If it rains, the ground will be wet.

P2: It is not raining.

C: Therefore, the ground is not wet.

VALID / INVALID

P1: If the sky is blue, then the world is at peace.

P2: The sky is blue.

C: Therefore, the world is at peace.

VALID / INVALID

P1: All lawyers are philosophers.

P2: Some philosophers are musicians.

C: Therefore, some musicians are lawyers.

VALID / INVALID

P1: All even numbers are divisible by 2.

P2: Some numbers divisible by 2 are squares.

C: Therefore, some even numbers are squares.

VALID / INVALID