

**REASONING ABOUT REASONING QUIZ****(ASSESSMENT OF LEARNING)** Name: \_\_\_\_\_

1. Is each of the following an argument? Circle the correct answer.
- a) The weather forecast calls for rain today, so you should take your umbrella to work. YES NO
- b) If you want to find directions to the concert hall, then just use a mapping program on the Internet and type in your address and the address of the concert hall. YES NO
- d) Because today is Tuesday, and movies are half-price on Tuesdays, I am going to see a movie today. YES NO

2. Classify each of the following arguments as inductive, deductive, or abductive. Write your answer in the space provided.

- a) Nicholas told me that as soon as he has saved over \$8000, he will purchase a motorbike. Today, Nicholas purchased a motorbike. So he must have saved over \$8000.

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- b) All peas come from a pod. That object on the table is a pea. Therefore, it came from a pod.

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- c) Emily interviewed 52 of the roughly 3000 people in her neighbourhood, and 46 of them said that they were against high-rise development. Therefore, most people in her neighbourhood are against high-rise development.

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3. Is each statement true or false? Circle the correct answer.

- a) If the premises of a valid deductive argument are true, then the conclusion must be true. TRUE FALSE
- b) In a strong inductive argument, it is unlikely that the premises are true and the conclusion is false. TRUE FALSE
- c) In an abductive argument, it is possible for the conclusion to be false while the premises are true. TRUE FALSE

4. List three types of distortions in thinking.

- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
- (iii) \_\_\_\_\_

5. Pick any one of the following and explain both it and its significance to reasoning: law of identity, law of non-contradiction, law of the excluded middle, the principle of sufficient reason, Ockham's razor.

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