

## Problem Set 01: PL Translations (Answers)

1. Translate the following into PL. Provide a glossary for your translation.

(a) Yer is poetling and Alethea is hirselling or interreceiving

(b) Answer:

A: Yer is poetling

B: Alethea is hirselling

C: Alethea is interreceiving

$$(A \wedge (B \vee C))$$

2. Translate the following into PL. Provide a glossary for your translation.

(a) It is not the case that Delois is anticoagulating or whiling if and only if it is not the case that Machele is reguaranteeing and unwatching

(b) Answer:

A: Delois is anticoagulating

B: Delois is whiling

C: Machele is reguaranteeing

D: Machele is unwatching

$$(\neg(A \vee B) \rightarrow \neg(C \wedge D))$$