

Problem 4.

1. Verb stems:

- V_i (intransitive): **ḡadza-** *get spoiled*, **ḡḡa-** *fall*, **sna-** *know*
- V_t (transitive): **ḡifa-** *hide*, **kata-** *help*, **ksa-** *catch*, **ghala-** *steal*, **ya-** *give birth to*

2. Verb structure:

| | present | past |
|-------|---|---|
| V_i | <div>STEM S</div> <div>‘S V_i-s’</div> | <div>STEM STEM S</div> <div>‘S V_i-ed’</div> |
| V_t | <div>STEM S</div> <div>‘S V_t-s it/them’</div> | <div>STEM O STEM S</div> <div>‘S V_t-ed O’</div> |

| | 1st person | 2nd person | 3rd person |
|----------|----------------------|---------------------------------------|--|
| singular | -a → i | -ka (S) -gha (O) | ∅ |
| plural | -mu | -kuni (S) -ghuni (O) | -xən (S, V_t) ∅ (otherwise) |

$$\left[\begin{array}{l} V_i, S = \text{plural} \\ V_t, O = \text{plural} \end{array} \right]: \quad \boxed{\text{STEM}} \Rightarrow \begin{cases} \text{CV}(\dots) \rightarrow \text{CVCV}(\dots) \\ \text{C}_1\text{C}_2\text{V}(\dots) \rightarrow \text{C}_1\text{aC}_2\text{V}(\dots) \end{cases}$$

(C: consonant; V: vowel.)

- (a)
1. *I caught you* (SG)
 2. *we helped you* (PL)
 3. *they helped it*
 4. *it gets spoiled*
- (b)
5. **kasaghunikasa**
 6. **ḡifamu**
 7. **ḡaḡaḡaḡa**
 8. **yayayayaxən**
 9. **ghaghalaghaghalaka**
 10. **snasni**