

**Problem 4 (20 points).** Here are some verb forms in Hdi and their English translations:

<b>yaka</b>	<i>you(SG) give birth to it</i>	<b>ddfaddfaka</b>	<i>you(SG) fell</i>
<b>dfifaxən</b>	<i>they hide it</i>	<b>ksiksaxən</b>	<i>they caught me</i>
<b>kakati</b>	<i>I help them</i>	<b>ḡaḡadzaḡaḡadza</b>	<i>they got spoiled</i>
<b>dadʼamu</b>	<i>we fall</i>	<b>dfifaghadʼifa</b>	<i>it hid you(SG)</i>
<b>katakata</b>	<i>it helped it</i>	<b>kakatamukakata</b>	<i>it helped us</i>
<b>dfidʼifaka</b>	<i>you(SG) hide them</i>	<b>yiyaxən</b>	<i>they gave birth to me</i>
<b>sana</b>	<i>they know</i>	<b>kasakuni</b>	<i>you(PL) catch them</i>
<b>ghali</b>	<i>I steal it</i>	<b>yaya</b>	<i>it gives birth to them</i> <i>/ it gave birth to it</i>

(a) Translate into English:

1. **ksaghaksi**
2. **kakataghunikakatamu**
3. **katakataxən**
4. **ḡadza**

(b) Translate into Hdi:

5. *it caught you(PL)*
6. *we hide it*
7. *they fell*
8. *they gave birth to them*
9. *you(SG) stole them*
10. *I knew*

△ Hdi belongs to the Chadic branch of the Afro-Asiatic family. It is spoken by approx. 29,000 people in Cameroon and Nigeria.

**x** and **gh** are consonants that are pronounced using the same part of the tongue as **k**. **ḡ**, **df**, **dz** and **y** are consonants. **ə** is a vowel.

The language has two tones, but they were not considered in this problem for the sake of simplicity.

SG = singular; PL = plural.

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