

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

yaka	<i>you (SG) give birth to it</i>	ɗɗaddfaka	<i>you (SG) fell</i>
ɗifaxən	<i>they hide it</i>	ksiksaxən	<i>they caught me</i>
kakati	<i>I help them</i>	ɓaabdzababazza	<i>they got spoiled</i>
dadamu	<i>we fall</i>	ɗifaghadifa	<i>it hid you (SG)</i>
katakata	<i>it helped it</i>	kakatamukakata	<i>it helped us</i>
ɗidifaka	<i>you (SG) hide them</i>	yiyaxən	<i>they gave birth to me</i>
sana	<i>they know</i>	kasakuni	<i>you (PL) catch them</i>
ghali	<i>I steal it</i>	yaya	<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. ɓadza

(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. ɗ, d, 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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