Question 8 answer:

Relation 1)

: opposite-words
old young   boy girl
talk   quite   big small
far near   alive   died

Relation 2)

: politics
donald republicans clinton democrat
republicans florida democrat   california
president   american   minister   israel

politics
[0.0, 0.0, 33.33333333333333]
opposite-words
[33.33333333333333, 33.33333333333333, 33.33333333333333]

Final answer
{'politics': [0.0, 0.0, 33.33333333333333], 'opposite-words': [33.33333333333333,
33.33333333333333, 33.33333333333333]}

Category	1-best	5-best	10-best
opposite-words	0%	0%	33.33%
politics	33.33%	33.33%	33.33%

Interesting observations:
While creating set of sentences for two new categories and making some trials I realized
that the closer two words appear in sentence, their relationship is stronger. This is true
for any two words found together in real life sentence or any document. Thus I decided
to be adversarial and tried to find out words are far apart from each other and in the
process I got zero 1-best and zero 5-best score for my 'opposite-words' category.