

QUANTIFIERS

TEXT: 2.1, 2.2

LAST NAME	FIRST NAME	DATE
-----------	------------	------

1 (8 points). Write the negation of each statement by switching the quantifier:

(a) All sheep are white.

(b) Some presidents are female.

(c) No one likes broccoli.

(d) Every cat believes it owns the house.

(e) There exists a horse with a horn.

Write the negation of each statement by switching the quantifier(s):

(f) Some dogs believe they are humans.

(g) All cars do not pollute.

(h) None of these statements make any sense.

(i) For any number x and for any number y there exists a number z such that $z = x + y$.

(j) There is a mirror in the Room Of Requirement such that anyone who looks into it will see something appealing.