

Hypothesis Testing Worksheet Name: _____

Identify the Null and Alternative hypotheses

1. In the 1950s only 40% of high school graduates went on to college. Researchers want to know: Has the percentage changed? They randomly sample 10,000 high school seniors to find out.

H_o :

H_A :

Describe H_o and H_A in words:

H_o :

H_A :

2. 20% of cars of a certain model have needed costly transmission work after being driven 50k-100k miles. The manufacturer hopes that a redesign of a transmission component has solved this problem. The manufacturer tests 100 cars.

H_o :

H_A :

Describe H_o and H_A in words:

H_o :

H_A :

3. We field test a new flavor of soda, planning to market it only if we are sure that at least 60% of the people like the flavor.

H_o :

H_A :

Describe H_o and H_A in words:

H_o :

H_A :