Review Exercise

For each of the claims that follow, choose which of the following tests would be most appropriate.

(a) One sample t test
(b) Two sample t test
(c) Matched pair test
(d) One sample proportion test
(e) Two sample proportion test
(f) Regression slope test

1. More than half of all babies born are boys.
2. The probability a student will pass Math 3 (pre-calculus) is the same as the probability a student will pass AMS 3 (also pre-calculus).
3. The average cost of a pack of cigarettes is higher in Canada than in the U. S.
4. Smokers have a shorter life expectancy than non-smokers.
5. Increased spending on schools corresponds to better student performance.
6. Gas prices in Santa Cruz are the same as in San Jose.
7. A coin is fair.
8. The average rent for a one-bedroom apartment in Santa Cruz is $1000.
9. The length of a reindeer's left antler is the same as the length of a reindeer's right antler.