

Mathematics

Name _____ Date: _____ Grade: _____

Sets

State, whether the given set is **infinite (i)**, **finite (f)** or **null(n)**.

- (i) {3, 5, 7, ...} _____
- (ii) {1, 2, 3, 4} _____
- (iii) {..., -3, -2, -1, 0, 1, 2} _____
- (iv) {20, 30, 40, 50,, 200} _____
- (v) Days of the week beginning with c _____
- (vi) Persons whose sir name is Wright _____
- (vii) Babies born in the planet Venus _____
- (viii) {socks, shoes, watches, shirts, ...} _____
- (ix) {index, middle, ring, pinky} _____

Match the correct word to the definition

- | | |
|-------------------|-------------------------------------------------------------------------|
| 1. Set | 1 The objects of a set |
| 2. Finite set | 2 If a set has no elements |
| 3. Infinite Set | 3 A set with identical members |
| 4. Equivalent set | 4 A well-defined collection of distinct objects |
| 5. Subset | 5 A set whose members can be counted. |
| 6. Null set | 6 Sets that have an equal number of members |
| 7. Equal set | 7 A set whose elements are all part of the
elements of a bigger set. |
| 8. Disjoint Set | 8 A set with members that cannot be counted. |
| 9. Elements | 9 Sets that have no members in common |