



NAME

DATE

QUIZ 002

GIVEN: TWO VECTORS $U=3i - 2j + 6k$ AND $V=4i + 12j - 3k$.

- A) DETERMINE THE MAGNITUDES OF U AND V .
- B) DETERMINE THE MAGNITUDE OF THE VECTOR $3U + 2V$.
- C) DETERMINE THE UNIT VECTOR IN THE DIRECTION OF $3U + 2V$.

REQUIRED:

SOLUTION: