## Special Problem 2-3.4

Consider vectors $A, B$, and $C$, where we know these facts:

1) All vectors are non-zero.
2) $B=2 A$
3) $\boldsymbol{C}$ and $\mathbf{A}$ are neither collinear nor anti-parallel

Find then, the resulting numeric value of the following expressions:
a) $A \times B$
b) $(A+B) \times B$
c) $\boldsymbol{C} \cdot(\mathbf{A} \times \boldsymbol{C})$
d) $A \cdot(B \times C)$

Hint: Yes, you have enough information to find numeric answers! Remember, you must provide justification/analysis for each expression.

