Special Problem 2-3.4

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

1) All vectors are non-zero.

2) $B = 2A$

3) $C$ and $A$ 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) $C \cdot (A \times C)$

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.