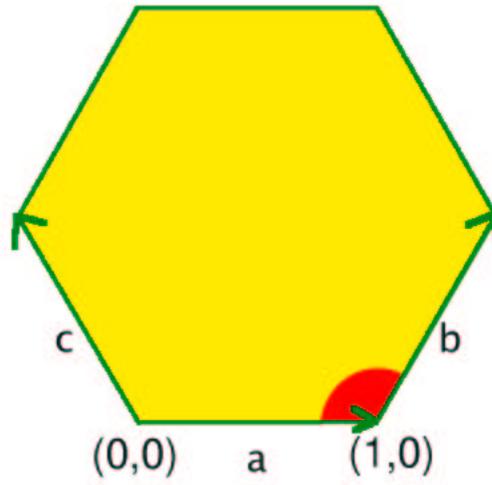Consider the regular hexagon:

1) Compute $|a|, |b|, |c|$.

2) Determine the angle θ between a and b.

3) What is $a \cdot b$?

4) What is $a \cdot c$?

5) What is $b \cdot c$?

6) What is $\text{proj}_a(b)$ and $\text{proj}_b(c)$?

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[1]From study Guide by Robert Burton and Dennis Garity