Lecture 1 (1.1)

Math 170A
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Review: Calculate $\langle (1, 2, 3), (4, 5, 6) \rangle$.

(a) 720
(b) 32
(c) 21
(d) 18
(e) None of these are correct.
(No credit) Did you read the programming tutorial I sent out via email, and that is available on the course website?

(a) Yes, I went through it carefully.

(b) No, but I’ve taken a programming class and/or programmed on my own.

(c) Yes, though I only glanced at it.

(d) No.
For 3-vectors (vectors with 3 entries), how many additions and/or multiplications did our inner product program do?

(a) 3
(b) 5
(c) 6
(d) 18
(e) None of these are correct.
For $n$-vectors (vectors with $n$ entries), how many flops would our inner product program do?

(a) $n - 1$
(b) $n$
(c) $2n$
(d) $n^2$
(e) None of these are correct.