

CS 230, Quiz 1

Name: _____ ID: _____

Problem 1 (2 points)

Why do we use red, green, and blue when producing images? Why not two or four colors instead of three? Why not a different set of three colors?

Problem 2 (2 points)

Explain why (a) a flashlight shined on a nearby wall is much brighter than when shined on a far wall but (b) a laser pointer appears about the same brightness in both cases.

Problem 3 (2 points)

Given two vectors $\vec{u}$ and $\vec{w}$, how do we determine whether the vectors are orthogonal?