Q1. Give the symbol and units used for each of the following:
flux
irradiance
radiant intensity
radiance
radiosity
Q2. What are the physical units that correspond to observed brightness, ie, what a camera sensor or that cells in the eye ultimately measure?
Q3. Consider the transfer of light between the following two surfaces:
A. Or dh
True or False
irradiance is invariant with the distance r
flux transfer is invariant with the distance r radiance is invariant with the distance r
Tadianoo is invariant with the distance i

Q5. A 10 W point light distributes light equally in all directions, as shown below. What is the flux received by area dA?

Q4. For the above scene, given the radiance, L, develop an expression for the flux transfer

What is the irradiance received by a point on area dA?

Suppose that the surface has a BRDF defined by

between the two surfaces.

What is the observed radiance in the given viewing direction V?