NVA EDUCATION

Question 1: When obtaining normals for a triangle, which of the following mathematical constructs is NOT used?

Vector normalization
Vector cross products
✅ Vector dot products
Point-Point subtraction

Question 2: There is more penetration of light in case of _____ surfaces.

Conductor (like materials)
✅ Nonconductor (like materials)
Both conductor and nonconductor
None of the given

Question 3: Which is the oldest in given types of the shading?

✅ Flat Shading
Phong Shading
Gouraud Shading
None of the given

Question 4: The attenuation formula is f = _____, where C, L and Q are the constant, linear and quadratic attenuation factors and d is the distance between the vertex being lit and the light source.

✅ 1/(C + Ld + Qd2)
1/(C + Ld + Qd)
1/(C + L + d + Qd2)
1/(Cd + Ld + Qd2)

Question 5: Refractive index is a function of temperature, mostly due to density changes in materials with changes in temperature.

✅ TRUE
FALSE

Question 6: Parity is a concept used to determine which _____ lie within a polygon.

✅ Points
Pixels
Vertices
Edge

Question 7: The _____ tests are performed for the midpoints between pixels near the