11 (a) Consider the homomorphism Z[x]🡪Z that sends x->1. Explain what the correspondence theorem when applied to this map says about ideals of Z[x]. What does this theorem say about ideals of Z[x] that contain x2+1?

(b) Identify the following rings: Z[x]/(6,2x-1) and Z[x]/(2x2-4,4x-5)