QUESTION 4

Relation 1 (Record Company, Record Company Address) //Record Company is primary key

Relation 2 (Song ID, Songwriter, Lyrics) //Song ID is primary key

Relation 3 (Performer ID, Song ID, P-Date) //Performer ID is primary key

Relation 4 (Performer ID, P-Name, P-Address, Record Company) //Performer ID is primary key

No, it is not in BCNF. In relation 2, Song ID is the primary key. It determines who wrote the song, and songs have unique lyrics. However, lyrics can be used to determine a song, since no two songs have the same exact lyrics. Since lyrics is not a primary key, this normalization is not in BCNF.