**Directions:** Please answer in the space provided. No calculators. Please put all phones, etc., away.

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1. Consider the basis $B = \{ (2,1,2),\ (3,4,1),\ (1,1,1) \}$ of $\mathbb{R}^3$.      Find the coordinate vector $[\mathbf{x}]_B$ for $\mathbf{x} = (7,0,11)$.