Quiz #2

Name:

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1. Find the equation of the polynomial of degree 2 whose graph passes through the points (1, 5), (2, 7), and (3, 9).

2. Find a basis for the subspace of all vectors orthogonal to (1, 2, −1).

3. Find the norms of and angles between the vectors (3, −1, 2) and (4, 1, 1). You may use inverse trig functions in your answer.