127 Quiz: Sections 4.4 & 4.5	Linear Algebra	November 3, 2016
	MATH 310	
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Directions: Please answer in the space provided. No calculators. Please put all phones, etc., away.

1. Suppose  $S = \{1 + 2x, 1 + x + x^2 + x^3, 1 - 2x + x^3, x + 2x^2\}$ . Is S a basis for P<sub>3</sub>? Why or why not?