Time: 10min

## **QUIZ** 10

<b>1.</b> Do	o the po	lynomials 1	2t.	$-2+4t^2$	and -	$-12t + 8t^3$	form a	basis for	$P_3$ ?
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**2.** What is the definition of a basis?

Problem 1 is worth 8 points and Problem 2 is worth 2 points.