

VOCABULARY QUIZ 3

Math 521, Professor Ram
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Define the following terms. Use complete sentences and make sure you say what all the things that you refer to in your definition are. Make sure your definition is designed so that it will be the one you need when you are doing a proof.

1. $\mathbb{Q}[x]$
2. $\mathbb{Q}[[x]]$
3. $\mathbb{Q}(x)$
4. $\mathbb{Q}((x))$
5. field of fractions
6. ring
7. field
8. sigma and Sigma