WORKSHEET A: SUMMARY OF MAJOR RESULTS

This is a chance to go back through the last several worksheets and track down what you've done. **Throughout, let** R **be an integral domain.** I would recommend first tracking does all the implications which do hold and only then talk about counterexamples to check that other implications don't.

I TODICIII	A.1. Draw arrows indicating which implications exists	
	R is a PID	R is Euclidean
	R is Noetherian	R is a UFD
Problem concepts:		indicating which implications exist between the following
1	<i>I</i> is prime	I is maximal
	I is of the form (f) for	I is of the form (f) for
	f irreducible	f prime
		ideal of R . Draw arrows indicating which implications exis
between t	the following concepts:	
	I is prime	I is maximal
	I is of the form (f) for f irreducible	I is of the form (f) for f prime
		ideal of R . Draw arrows indicating which implications exist
between t	the following concepts:	Tie manimal
	I is prime	I is maximal
	I is of the form (f) for	I is of the form (f) for