

Math 290 ELEMENTARY LINEAR ALGEBRA

QUIZ – I (Self-Grade)

September 20 (Wed), 2017

Instructor: Yasuyuki Kachi

Line #: 25751.

ID # : _____

Name : _____

[I] (20pts) List up all possible 3×6 reduced row echelon forms. Use ‘*’ to denote an arbitrary entry. ‘1’ as indicated are the leading 1s.

- Rank 3 ones:

1					
	1				
		1			

1					
	1				
			1		

1					
	1				
				1	

1					
	1				
					1

1					
		1			
			1		

1					
		1			
				1	

1					
		1			
					1

1					
			1		
				1	

Line #: 25751.

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Name : _____

([I] • Rank 3 ones — continued)

1					
			1		
					1

	1				
		1			
			1		

	1				
		1			
					1

	1				
			1		
					1

		1			
			1		
				1	

		1			
				1	
					1

1					
				1	
					1

	1				
		1			
				1	

	1				
			1		
				1	

	1				
				1	
					1

		1			
			1		
					1

			1		
				1	
					1

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([I] continued) • Rank 2 ones:

1					
	1				

1					
			1		

1					
					1

	1				
			1		

	1				
					1

		1			
				1	

1					
		1			

1					
				1	

	1				
		1			

	1				
				1	

		1			
			1		

		1			
					1

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([I] • Rank 2 ones — continued)

			1		
				1	
				1	
					1

			1		
					1

• Rank 1 ones:

1					
		1			
				1	

	1				
			1		
					1

• Rank 0 one:
