| | Linear Algebr | a Week-I | | |
|--|---------------|----------------------|------------------|--------------------------------------|
| | | | | |
| 1) System of Sontence Equations are | untenur , ran | Tences give you i | info: | |
| | | | | provide |
| many sentencer are | v | abrable info | , | 7 |
| | | | | |
| System of senten | ur behave a | ot more like syste | em of Equations | |
| System of Sentener | | | | |
| System 1 | | System 2 | System | |
| The day is black | | y is black | The dog is | |
| | () | | | |
| > Each nontener is une and provide different: | enfo) are . | the souteners | stifferent in | ntencer formed to of same antique |
| | | | | |
| This type of system | | is type of system is | This type of | ! system i |
| called "Complete" | cal | lled "Redundant" | called "C | |
| Non-Singular | | Singular | Singn | |
| | | | | |
| The thing is | understand | sentences and en | etract info from | them |
| | | | | |

| 2) System of Equations | |
|--|----|
| System 1 | |
| Day 1: One apple & One banana = \$10 } Complete | |
| Day 2: One apple A Two banana = \$12 | |
| | |
| Find price of each fruit: | |
| Day 4: a+6 = 10 | |
| Day 2: a+26=12 On day 2 Only The banana Quantity has increased | |
| | |
| Apple = 8 Banana = 2 | |
| System 2. | |
| | |
| Pay 1: One Apple × One Banana → \$10 } Redundant Day 2: Two Apples & Two Bananar → \$20 | |
| | |
| Find price of each fruit? a+6=\$10 | |
| 2a+2b=\$20 -3 | |
| 3) The system is redundant, not enough info. is given. | |
| e) Har infinitely many volutions. | |
| System 3. | |
| | |
| Day 1 : One apple & One banana = \$10 Day 2 : Two apple & Two banana = \$24 | |
| Tay 2 o The apple in the Danama = \$22 | |
| Find price of each fruit? | |
| | |
| 20 + 26 = \$29 (antradictory) | |
| 2 2 1 2 6 mull oc | 20 |
| . I there is No Johnson, even if we ansider basecase 12,62 no solution. | |



