| Common Sets |  |
| :---: | :---: |
| N All Natural | mbers $=\{1,2,3,4, \ldots\}$ |
| Z All Integer | $\{\ldots,-2,-1,0,1,2, \ldots\}$ |
| $\mathbf{Z}^{+} \quad$ All Positive | tegers $=\{0,1,2, \ldots\}$ |
| Q All Ration | umbers |
| R All real nu |  |
| W All whole n | bers |
| Examples |  |
| $4 \in A$ | 4 is an element of $A$ |
| $2 \notin A$ | 2 is not an element of $A$ |
| $\|A\|=5$ | The size of $A$ is 5 |
| $\operatorname{CARD}(\mathrm{A})=\|\mathrm{A}\|$ | Cardinality of $A$ is 5 |
| Consider: $\mathbf{A}=\{1, \mathbf{3}, \mathbf{8}, \mathbf{1 0}, 18\}$ |  |

## By pavelas

cheatography.com/pavelas/

| Examples (copy) |  |
| :--- | :--- |
| $\mathbf{4} \in \mathbf{A}$ | 4 is an element of $A$ |
| $\mathbf{2} \notin \mathbf{A}$ | 2 is not an element of $A$ |
| $\|A\|=5$ | The size of $A$ is 5 |
| $\mathbf{C A R D}(\mathbf{A})=\|A\|$ | Cardinality of $A$ is 5 |

Consider: $A=\{1, \mathbf{3}, \mathbf{8}, \mathbf{1 0}, 18\}$

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