

Quiz 8

$$1. A = \{n \in \mathbb{Z} : |n| \leq 9, 3|n\} = \{\pm 9, \pm 6, \pm 3, 0\}$$

$$B = \{n \in \mathbb{Z} : |n| \leq 9, n \text{ odd}\} = \{\pm 1, \pm 3, \pm 5, \pm 7, \pm 9\}$$

$$(a) |A| = 7$$

$$(b) |B| = 10$$

$$(c) A \cap B = \{\pm 3, \pm 9\}$$

$$(d) A \cup B = \{0, \pm 1, \pm 3, \pm 5, \pm 6, \pm 7, \pm 9\}$$

$$(e) A - B = \{0, \pm 6\}$$

$$(f) B - A = \{\pm 1, \pm 5, \pm 7\}$$