

Notation

4 is a factor of 12; $4 \mid 12$

5 is not a factor of 12, $5 \nmid 12$; $5 \nmid 12$

True or False – use the definition!

$$-3 \mid 12$$

$$0 \mid 3$$

$$3 \mid 0$$

$$8 \nmid 2$$

$$\forall J, a, 1 \mid a$$

$$\forall J a, -1 \mid a$$