

MATH 13X Written Assignment 01

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Question 1.

Determine if the following statements are *true* or *false*. No justification is required.

(a) $\forall x \in \mathbb{Z}, \exists y \in \mathbb{Z}, x^2 \leq y^4$
(Your answer here)

(b) $\exists y \in \mathbb{Z}, \forall x \in \mathbb{Z}, x^2 \leq y^4$
(Your answer here)

(c) $\forall y \in \mathbb{Z}, \exists x \in \mathbb{Z}, x^2 \leq y^4$
(Your answer here)

Question 2.

(a) (Answer)

(b) (Answer)

(c) (Answer)