2:

a: Original: All real numbers are integers.
  Quantifier: ∀ (All)
  Subject: Real number (x)
  Predicate: Integer

  ∀x, a real number, x is an integer

  ∃x, a real number, x is not an integer.

  Negation: Some real numbers are not integers.


b: original: There are positive integers less than or equal to $\sqrt{71}$.
  Quantifier: ∃ (There are)
  Subject: Positive integer (x)
  Predicate: Less than or equal to $\sqrt{71}$ ($x \le \sqrt{71}$)

  ∃x, a positive integer, $x \le \sqrt{71}$

  ∀x, a positive integer, $x > \sqrt{71}$

  Negation: All positive integers are greater than $\sqrt{71}$.


C: Original: Every integer is divisible by 1 and divisible by 7.
  Quantifier: ∀ (Every)
  Subject: Integer (x)
  Predicate: Divisible by 1 and divisible by 7

  ∀x, an integer, x is divisible by 1 and divisible by 7

  ∃x, an integer, x is not divisible by 1 or not divisible by 7.

  Negation: Some integers are not divisible by 1 or not divisible by 7.


d: original: Some even integers are divisible by 4.
  Quantifier: ∃ (some)
  Subject: Even integer (x)
  Predicate: Divisible by 4

  ∃x, an even integer, x is divisible by 4.

  ∀x, an even integer, x is not divisible by 4.

  Negation: All even integers are not divisible by 4.


e: Original: For any real number x, if x is less than 0 then $\sqrt{x}$ is not a real number.
  Quantifier: ∀ (For any)
  Subject: Real number (x)
  Predicate: If $x < 0$ then $\sqrt{x} \notin \mathbb{R}$

  ∀x, a real number, $(x<0) \rightarrow (\sqrt{x} \notin \mathbb{R})$

  ∃x, a real number, $(x<0) \wedge (\sqrt{x} \in \mathbb{R})$

  Negation: There is at least one real number x, where x is less than 0, but $\sqrt{x}$ is a real number.