

Valutare le seguenti affermazioni e stabilire se sono vere o false (rispondere mettendo solo una crocetta nel quadrato corrispondente alla risposta; non é necessario scrivere giustificazioni sui fogli da consegnare).

$$\forall n \in \mathbf{N}^+ \text{ risulta } n \in [-1, +\infty[\quad \begin{array}{l} \square \text{ vero} \\ \square \text{ falso} \end{array}$$

$$\exists n \in \mathbf{N}^+ : n \leq \frac{5}{2} \quad \begin{array}{l} \square \text{ vero} \\ \square \text{ falso} \end{array}$$

$$\forall q \in [4, 9] \text{ risulta } q \in \mathbf{N}^+ \quad \begin{array}{l} \square \text{ vero} \\ \square \text{ falso} \end{array}$$

$$\exists a \in \mathbf{Z} : a \in \left\{ -\frac{4}{3}, -2, \frac{1}{2}, \frac{15}{4} \right\} \quad \begin{array}{l} \square \text{ vero} \\ \square \text{ falso} \end{array}$$

$$\forall n \in \mathbf{N} \text{ risulta } n \geq -6 \quad \begin{array}{l} \square \text{ vero} \\ \square \text{ falso} \end{array}$$

$$\exists a < -2 : a \in \mathbf{Q} \quad \begin{array}{l} \square \text{ vero} \\ \square \text{ falso} \end{array}$$

$$\forall n \in \mathbf{N} \text{ risulta } n^2 > 0 \quad \begin{array}{l} \square \text{ vero} \\ \square \text{ falso} \end{array}$$

$$\exists a \in \{-2, -1, 0, 1, 2\} : a \in \mathbf{N}^+ \quad \begin{array}{l} \square \text{ vero} \\ \square \text{ falso} \end{array}$$

$$\forall n \in \mathbf{N}^+ \text{ risulta } n > -\frac{7}{2} \quad \begin{array}{l} \square \text{ vero} \\ \square \text{ falso} \end{array}$$

$$\exists n \in \mathbf{N} : n \in]-1, 0] \quad \begin{array}{l} \square \text{ vero} \\ \square \text{ falso} \end{array}$$

$$\forall q \in \mathbf{Q} \text{ risulta } q > 0 \quad \begin{array}{l} \square \text{ vero} \\ \square \text{ falso} \end{array}$$

$$\forall n \in \mathbf{N}^+ \text{ risulta } n^2 \geq 0 \quad \begin{array}{l} \square \text{ vero} \\ \square \text{ falso} \end{array}$$

$$\exists n \in \mathbf{N} : n > 1 \quad \begin{array}{l} \square \text{ vero} \\ \square \text{ falso} \end{array}$$

$$\forall n \in \mathbf{N}^+ \text{ risulta } 2n \in \mathbf{R} \quad \begin{array}{l} \square \text{ vero} \\ \square \text{ falso} \end{array}$$