The range of operator $A: V \to V$ is set of values it reaches:

$$R(A) = \{v \in V | \exists w \in V: v = A(w)\}$$

The identity operator is defined as

$$I(v) = v, \forall v \in V$$

Thus the range of identity operator I is:

$$R(I) = \{v \in V | \exists w \in V: v = I(w)\} = \{v \in V | \exists w \in V: v = w\} = V$$

ANSWER: none of the above