



⇒ option D cannot be the answer.

The only option that does not offend the immutability of y-int is option C:

$$g(x) = f(-9x)$$

this is a horizontal reflection into the y-axis & a Horiz. stretch.

⇒ the y-axis is the mirror for the reflection.

⇒ all points ^{right} on the y-axis remain immutable during the transformation.

The answer is C. ✓

horiz. stretches do not affect the y-coordinates so it's safe for the y-int.