Answer 3

The system of axioms is not consistent.
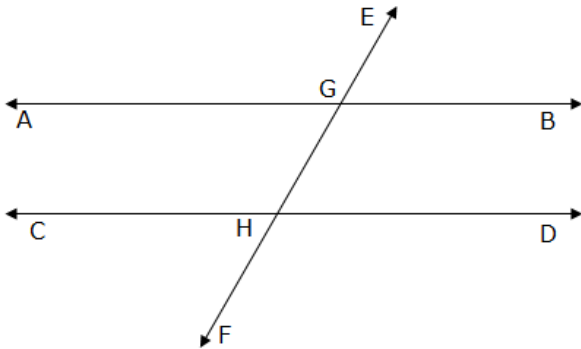
$\angle EGB \neq \angle GHD$ [corresponding angles are not necessarily equal.]

But $\angle EGB = \angle AGH$ [vertically opposite angles.]

$\therefore \ \angle AGH \neq \angle GHD$

But these are alternate interior angles which are equal.

$\therefore$ not consistent.