

1. Find an assignment for the variables that makes the following expression true, if there is any such assignment.

$$(\neg F + A + B) * (F + \neg A) * (F + \neg B) * (G + \neg A + \neg B) * (\neg G + A) * (\neg G + B) * (Z + \neg F + G) * (X + F + \neg G) \\ * (\neg X + \neg F) * (\neg X + G) * (\neg Z + F) * (\neg Z + G) * (X + Z)$$

Assignment Exist?	A	B	F	G	X	Z

2. Find an assignment for the variables that makes the following expression true, if there is any such assignment.

$$(\neg F + A + B) * (F + \neg A) * (F + \neg B) * (G + \neg A + \neg B) * (\neg G + A) * (\neg G + B) * (Z + \neg F + G) * (X + F + \neg G) \\ * (\neg X + \neg F) * (\neg X + G) * (\neg Z + F) * (\neg Z + G) * X$$

Assignment Exist?	A	B	F	G	X	Z