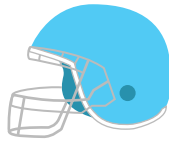Name _____   Date _____

Two Truths and One Lie: Football Edition

Directions: Solve the three equations. Determine which two are true and which one is a lie. Explain your answer to a partner or group by drawing on information from the equations. **Answers**

🏈 = 6   ⛑️ = 2   🥅 = 0

A. ⛑️ X 🏈 = 🥅 X 🏈

B. 🏈 X ⛑️ = ⛑️ X 🏈

C. (⛑️ X 🏈) X 🥅 = 🥅

1. Which equations are true? __B__ and __C__ How do you know? I know that B is true because the answer is 12 on both sides of the equation (6 x 2 = 2 x 6). I know that C is true because 6 x 2 = 12 and 12 x 0 = 0.

2. Which equation is a lie? __A__ How do you know? I know that A is a lie because 2 x 6 is not equal to 0 x 6. I know the zero property says that any number multiplied by 0 equals 0.