

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.

$$\text{Football} = 6$$

$$\text{Helmet} = 2$$

$$\text{Goalpost} = 0$$

A. $\text{Helmet} \times \text{Football} = \text{Goalpost} \times \text{Football}$

B. $\text{Football} \times \text{Helmet} = \text{Helmet} \times \text{Football}$

C. $(\text{Helmet} \times \text{Football}) \times \text{Goalpost} = \text{Goalpost}$

1. Which equations are true? _____ and _____. How do you know? _____

2. Which equation is a lie? _____. How do you know? _____
