

July 29th

Given

$$a \oplus b = a^2 + (a + b)^2 - b^2$$

Find

$$5 \oplus (3 \oplus 2)$$

$$3 \otimes 2 = 3^2 + 5^2 - 2^2 = 30$$

$$5 \otimes 30 = 5^2 + 35^2 - 30^2 = \mathbf{350}$$