29. Multiply: $(9x - 5y)^2$

A. $81x^2 - 90xy + 25y^2$ B. $9x^2 + 25y^2$ C. $81x^2 + 25y^2$

D. $9x^2 - 90xy + 25y^2$ E. $81x^2 - 25y^2$

Last Week's Answer

It took a copier from 11:12 am until 11:22 am the same day to complete an order that required 45 copies. If the next order is begun at 5:58 pm and requires 135 copies, what is the earliest it will be done?

A. 5:28 pm B. 6:28 pm C. 6:58 pm D. 6:32 pm E. 6:18 pm

Solution:

Set up a proportion comparing the # of copies to the # of minutes for each order.

$$\frac{45}{10} = \frac{135}{x}$$

Solve the proportion

$45x = 1350$

$x = 30min$

Since the second order stated at 5:58, 30 minutes later would be 6:28pm.

Each week, we'll reveal the answer to the previous week's question!