

Name _____

Date _____

Lesson 9: An Application of Linear Equations

Exit Ticket

1. Rewrite the equation that would represent the fifth step of the Facebook problem:

$$S_5 = 7 + 7 \cdot 5 + 7 \cdot 5^2 + 7 \cdot 5^3 + 7 \cdot 5^4$$

The sum of four consecutive integers is 74. Write an equation and solve to find the numbers?