

**MODULE 3****Lesson 4: Writing Products as Sums and Sums as Products  
(Exit Ticket)**

I. **Direction:** Use the Distributive Property to find each product.

1.  $7(b + 3) = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$

2.  $6(a - 2) = \underline{\hspace{2cm}} - \underline{\hspace{2cm}}$

3.  $9(3y + 5) = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$

4.  $8(10m - 3n) = \underline{\hspace{2cm}} - \underline{\hspace{2cm}}$

5.  $4(7p + 5q) = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$

II. **Direction:** Write each expression as the product of two factors.

1.  $3 \times 9 + 2 \times 9 = \underline{\hspace{2cm}} (\underline{\hspace{2cm}} + \underline{\hspace{2cm}})$

2.  $4 \times 8 - 7 \times 4 = \underline{\hspace{2cm}} (\underline{\hspace{2cm}} - \underline{\hspace{2cm}})$

3.  $10a + 10b = \underline{\hspace{2cm}} (\underline{\hspace{2cm}} + \underline{\hspace{2cm}})$

4.  $5d - d = \underline{\hspace{2cm}} (\underline{\hspace{2cm}} - \underline{\hspace{2cm}})$

5.  $(12 + 5) + (12 + 5) + (12 + 5) = \underline{\hspace{2cm}} (\underline{\hspace{2cm}} + \underline{\hspace{2cm}})$

6.  $(5 - 3) + (5 - 3) + (5 - 3) = \underline{\hspace{2cm}} (\underline{\hspace{2cm}} - \underline{\hspace{2cm}})$

7.  $(3m + 2n) + (3m + 2n) + (3m + 2n) = \underline{\hspace{2cm}} (\underline{\hspace{2cm}} + \underline{\hspace{2cm}})$

8.  $(7x - y) + (7x - y) + (7x - y) = \underline{\hspace{2cm}} (\underline{\hspace{2cm}} - \underline{\hspace{2cm}})$

III. **Direction:** Rewrite the expression as a product of two factors.

1.  $6y + 9 = \underline{\hspace{2cm}} (\underline{\hspace{2cm}} + \underline{\hspace{2cm}})$

2.  $7x - 21y = \underline{\hspace{2cm}} (\underline{\hspace{2cm}} - \underline{\hspace{2cm}})$

3.  $12 + 18h = \underline{\hspace{2cm}} (\underline{\hspace{2cm}} + \underline{\hspace{2cm}})$

4.  $10n + 20m = \underline{\hspace{2cm}} (\underline{\hspace{2cm}} + \underline{\hspace{2cm}})$

5.  $9a - 9b = \underline{\hspace{2cm}} (\underline{\hspace{2cm}} - \underline{\hspace{2cm}})$