Properties of Multiplication

A) Identify the property used in each statement.

1) $4 \times 0 = 0$ _____

2) $6 \times 8 = 8 \times 6$ _____

3) $1 \times (7 \times 3) = (1 \times 7) \times 3$ _____

B) Choose the statement that illustrates the specified property.

1) identity property

a) $6 \times 3 = 3 \times 6$ b) $9 \times 1 = 9$

c) $2 \times (4 + 0) = (2 \times 4) + (2 \times 0)$ d) $7 \times 0 = 0$

2) Zero property

a) $3 \times 1 = 3$ b) $5 \times 4 = 4 \times 5$

c) $9 \times (5 - 2) = (9 \times 5) - (9 \times 2)$ d) $6 \times 0 = 0$

C) Write the missing numbers using an appropriate property of multiplication.

1) $4 \times (7 \times \underline{\hspace{1.5cm}}) = (4 \times 7) \times 8$

2) $9 \times 3 = 3 \times \underline{\hspace{1.5cm}}$

3) $8 \times (5 + 4) = (8 \times \underline{\hspace{1.5cm}}) + (8 \times 4)$