Finding Associative Property

Name:

Determine which choice is not an equivalent equation.

1) Which expression is not equal to
$(3 \times 4) \times 2$

A. 3×8

B. 16×2

C. 12×2

D. $3 \times (4 \times 2)$

2) Which expression is not equal to
$2 \times (3 \times 10)$

A. 3×10

B. 6×10

C. $(2 \times 3) \times 10$

D. 2×30

3) Which expression is not equal to
$8 \times (5 \times 6)$

A. $(8 \times 5) \times 6$

B. 8×30

C. 40×6

D. 35×6

4) Which expression is not equal to
$4 \times (3 \times 5)$

A. 4×15

B. 12×5

C. 15×5

D. $(4 \times 3) \times 5$

5) Which expression is not equal to
$(9 \times 2) \times 4$

A. 9×8

B. $9 \times (2 \times 4)$

C. 18×4

D. 9×6

6) Which expression is not equal to
$4 \times (2 \times 6)$

A. 4×12

B. 8×6

C. 4×14

D. $(4 \times 2) \times 6$

7) Which expression is not equal to
$8 \times (3 \times 7)$

A. 8×18

B. $(8 \times 3) \times 7$

C. 24×7

D. 8×21

8) Which expression is not equal to
$(3 \times 9) \times 8$

A. $3 \times (9 \times 8)$

B. 3×72

C. 18×8

D. 27×8

9) Which expression is not equal to
$(5 \times 4) \times 8$

A. 5×32

B. 20×8

C. $5 \times (4 \times 8)$

D. $5 + (4 \times 8)$

10) Which expression is not equal to
$(9 \times 2) \times 3$

A. $9 \times (2 \times 3)$

B. 18×3

C. 9×6

D. 16×3

11) Which expression is not equal to
$(7 \times 8) \times 10$

A. $7 \times (8 \times 10)$

B. $7 + (8 \times 10)$

C. 56×10

D. 7×80

12) Which expression is not equal to
$3 \times (5 \times 6)$

A. $(3 \times 5) \times 6$

B. 15×6

C. 3×30

D. 3×35

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1. **B**

2. **A**

3. **D**

4. **C**

5. **D**

6. **C**

7. **A**

8. **C**

9. **D**

10. **D**

11. **B**

12. **D**

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								