Name: _____

Determine which choice is not an equivalent equation.

1) Which expression is not equal to
(3 × 2) × 6

A. 3 + (2 × 6)
B. 3 × 12
C. 6 × 6
D. 3 × (2 × 6)

2) Which expression is not equal to
(7 × 4) × 10

A. 7 × 40
B. 7 × (4 × 10)
C. 28 × 10
D. 7 + (4 × 10)

3) Which expression is not equal to
10 × (8 × 3)

A. 10 × 32
B. (10 × 8) × 3
C. 80 × 3
D. 10 × 24

4) Which expression is not equal to
(2 × 8) × 6

A. 2 × 48
B. 24 × 6
C. 16 × 6
D. 2 × (8 × 6)

5) Which expression is not equal to
(7 × 2) × 4

A. 14 × 4
B. 7 × (2 × 4)
C. 7 + (2 × 4)
D. 7 × 8

6) Which expression is not equal to
(9 × 10) × 8

A. 9 × (10 × 8)
B. 9 × 90
C. 90 × 8
D. 9 × 80

7) Which expression is not equal to
8 × (5 × 3)

A. 8 × 20
B. (8 × 5) × 3
C. 40 × 3
D. 8 × 15

8) Which expression is not equal to
6 × (10 × 7)

A. 60 × 7
B. (6 × 10) × 7
C. 6 × 70
D. 70 × 7

9) Which expression is not equal to
(9 × 7) × 8

A. 9 × 56
B. 63 × 8
C. 9 + (7 × 8)
D. 9 × (7 × 8)

10) Which expression is not equal to
(3 × 6) × 2

A. 3 × 12
B. 18 × 2
C. 3 × (6 × 2)
D. 3 + (6 × 2)

11) Which expression is not equal to
(8 × 5) × 9

A. 8 × (5 × 9)
B. 40 × 9
C. 8 × 45
D. 45 × 9

12) Which expression is not equal to
8 × (10 × 3)

A. 8 × 30
B. (8 + 10) × 3
C. (8 × 10) × 3
D. 80 × 3

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

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

Name:

Determine which choice is not an equivalent equation.

1) Which expression is not equal to
$(3 \times 2) \times 6$

A. $3 + (2 \times 6)$
B. 3×12
C. 6×6
D. $3 \times (2 \times 6)$

2) Which expression is not equal to
$(7 \times 4) \times 10$

A. 7×40
B. $7 \times (4 \times 10)$
C. 28×10
D. $7 + (4 \times 10)$

3) Which expression is not equal to
$10 \times (8 \times 3)$

A. 10×32
B. $(10 \times 8) \times 3$
C. 80×3
D. 10×24

4) Which expression is not equal to
$(2 \times 8) \times 6$

A. 2×48
B. 24×6
C. 16×6
D. $2 \times (8 \times 6)$

5) Which expression is not equal to
$(7 \times 2) \times 4$

A. 14×4
B. $7 \times (2 \times 4)$
C. $7 + (2 \times 4)$
D. 7×8

6) Which expression is not equal to
$(9 \times 10) \times 8$

A. $9 \times (10 \times 8)$
B. 9×90
C. 90×8
D. 9×80

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

A. 8×20
B. $(8 \times 5) \times 3$
C. 40×3
D. 8×15

8) Which expression is not equal to
$6 \times (10 \times 7)$

A. 60×7
B. $(6 \times 10) \times 7$
C. 6×70
D. 70×7

9) Which expression is not equal to
$(9 \times 7) \times 8$

A. 9×56
B. 63×8
C. $9 + (7 \times 8)$
D. $9 \times (7 \times 8)$

10) Which expression is not equal to
$(3 \times 6) \times 2$

A. 3×12
B. 18×2
C. $3 \times (6 \times 2)$
D. $3 + (6 \times 2)$

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

A. $8 \times (5 \times 9)$
B. 40×9
C. 8×45
D. 45×9

12) Which expression is not equal to
$8 \times (10 \times 3)$

A. 8×30
B. $(8 + 10) \times 3$
C. $(8 \times 10) \times 3$
D. 80×3

#	Answer
1.	**A**
2.	**D**
3.	**A**
4.	**B**
5.	**C**
6.	**B**
7.	**A**
8.	**D**
9.	**C**
10.	**D**
11.	**D**
12.	**B**

Math

Seed: 560930022-794
www.CommonCoreSheets.com

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