Determine which choice best shows the identity property of multiplication.

1) A. $(10 \times 5) \times 2=10 \times(5 \times 2)$
B. $10 \times 5=5 \times 10$
C. $10 \times 1=10$
D. $(10 \times 5)+(10 \times 2)=10 \times(5+2)$
2) A. $1 \times 1=1$
B. $1 \times(2 \times 9)=(1 \times 2) \times 9$
C. $1 \times 2=2 \times 1$
D. $1 \times(2+9)=(1 \times 2)+(1 \times 9)$
3) A. $7 \times 4=4 \times 7$
B. $7 \times 1=7$
C. $(7 \times 4) \times 0=7 \times(4 \times 0)$
D. $(7 \times 4)+(7 \times 0)=7 \times(4+0)$
4) A. $3 \times 9=9 \times 3$
B. $3 \times(9 \times 4)=(3 \times 9) \times 4$
C. $3 \times(9+4)=(3 \times 9)+(3 \times 4)$
D. $1 \times 3=3$
5) A. $3 \times 1=3$
B. $3 \times 4=4 \times 3$
C. $(3 \times 4)+(3 \times 6)=3 \times(4+6)$
D. $(3 \times 4) \times 6=3 \times(4 \times 6)$
6) A. $10 \times 1=10$
B. $(10 \times 6) \times 4=10 \times(6 \times 4)$
C. $10 \times 6=6 \times 10$
D. $(10 \times 6)+(10 \times 4)=10 \times(6+4)$
7) A. $5 \times(0 \times 10)=(5 \times 0) \times 10$
B. $5 \times 0=0 \times 5$
C. $5 \times(0+10)=(5 \times 0)+(5 \times 10)$
D. $1 \times 5=5$

Answers
2. $\qquad$
3. $\qquad$
4. $\qquad$
5. $\qquad$
6. $\qquad$
7. $\qquad$
8. $\qquad$
9. $\qquad$
10. $\qquad$
11. $\qquad$
12. $\qquad$
11) A. $(4 \times 3) \times 8=4 \times(3 \times 8)$
B. $4 \times 1=4$
12) A. $10 \times 3=3 \times 10$
B. $10 \times(3+1)=(10 \times 3)+(10 \times 1)$
C. $1 \times 10=10$
C. $4 \times 3=3 \times 4$
D. $10 \times(3 \times 1)=(10 \times 3) \times 1$

Determine which choice best shows the identity property of multiplication.

Answers
2) A. $5 \times(0 \times 10)=(5 \times 0) \times 10$
B. $5 \times 0=0 \times 5$
C. $5 \times(0+10)=(5 \times 0)+(5 \times 10)$
D. $1 \times 5=5$
4) A. $7 \times 4=4 \times 7$
B. $7 \times 1=7$
C. $(7 \times 4) \times 0=7 \times(4 \times 0)$
D. $(7 \times 4)+(7 \times 0)=7 \times(4+0)$
6) A. $3 \times 1=3$
B. $3 \times 4=4 \times 3$
C. $(3 \times 4)+(3 \times 6)=3 \times(4+6)$
D. $(3 \times 4) \times 6=3 \times(4 \times 6)$
8) A. $10 \times 1=10$
B. $(10 \times 6) \times 4=10 \times(6 \times 4)$
C. $10 \times 6=6 \times 10$
D. $(10 \times 6)+(10 \times 4)=10 \times(6+4)$
4. $\qquad$
5. $\qquad$
6.

7.

## D

8. A
9. $\qquad$
10. $\qquad$
11. $\qquad$
12. $\qquad$
9) A. $10 \times 1=10$
B. $10 \times 6=6 \times 10$
10) A. $7 \times(2+6)=(7 \times 2)+(7 \times 6)$
B. $1 \times 7=7$
C. $(10 \times 6) \times 5=10 \times(6 \times 5)$
C. $7 \times 2=2 \times 7$
D. $(10 \times 6)+(10 \times 5)=10 \times(6+5)$
D. $7 \times(2 \times 6)=(7 \times 2) \times 6$
11) A. $(4 \times 3) \times 8=4 \times(3 \times 8)$
B. $4 \times 1=4$
12) A. $10 \times 3=3 \times 10$
B. $10 \times(3+1)=(10 \times 3)+(10 \times 1)$
C. $1 \times 10=10$
C. $4 \times 3=3 \times 4$
D. $10 \times(3 \times 1)=(10 \times 3) \times 1$
