Identify the Property: Commutative, Associative or Distributive?

For each equation below, identify the property used. Write a C in the blank for the commutative property, an A in the blank for the associative property or a D in the blank for the distributive property.

A) 3 x (7+4) = (3x7) + (3x4) _________  F) 10 x (9x3) = (10x9) x 3 _________

B) (5+9) + 6 = 6 + (5+9) _________  G) (8−3) x 6 = (8x6) − (3x6) _________

C) (5+9) + 6 = 5 + (9+6) _________  H) 14 x (2x7) = (2x7) x14 _________

D) 8 + (2+4) = 8 + (4+2) _________  I) (8x15) + (4x15) = (8+4) x 15 _________

E) (7x12) + (7x5) = 7 x (12+5) _________  J) (4x18) x 10 = 4 x (18x10) _________
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For each equation below, identify the property used. Write a C in the blank for the commutative property, an A in the blank for the associative property or a D in the blank for the distributive property.

A) $3 \times (7+4) = (3 \times 7) + (3 \times 4)$ _______ D _______

B) $(5+9) + 6 = 6 + (5+9)$ _______ C _______

C) $(5+9) + 6 = 5 + (9+6)$ _______ A _______

D) $8 + (2+4) = 8 + (4+2)$ _______ C _______

E) $(7 \times 12) + (7 \times 5) = 7 \times (12+5)$ _______ D _______

F) $10 \times (9 \times 3) = (10 \times 9) \times 3$ _______ A _______

G) $(8-3) \times 6 = (8 \times 6) - (3 \times 6)$ _______ D _______

H) $14 \times (2 \times 7) = (2 \times 7) \times 14$ _______ C _______

I) $(8 \times 15) + (4 \times 15) = (8+4) \times 15$ _______ D _______

J) $(4 \times 18) \times 10 = 4 \times (18 \times 10)$ _______ A _______

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