

[13-09-T7]

Associative, commutative

- Use the facts that addition and multiplication are associative and commutative to rewrite each of the following expressions.
- Your solutions should resemble those of the textbook *Beginning Algebra* page 16.

[1] $5 + (7 + 3)$ as $5 + (3 + 7)$.

[2] $5 + (7 + 3)$ as $(5 + 7) + 3$.

[3] $5 + (7 + 3)$ as $(7 + 5) + 3$.

[4] $5 + (7 + 3)$ as $3 + (7 + 5)$.

[5] $5 + (7 + 3)$ as $(3 + 5) + 7$.

[6] $2 + (4 + 6) + 8$ as $2 + 4 + (8 + 6)$.

[7] $2 + (4 + 6) + 8$ as $4 + (2 + 8) + 6$.

[8] $2 + (4 + 6) + 8$ as $8 + 6 + (4 + 2)$.