

$$5. (a) (A+B)(C+D+E) \\ = AC+AD+AE+BC+BD+BE$$

$$(b) X(Y+Z)(V+W) \\ = X(YV+YW+ZV+ZW) \\ = XYV+XYW+XZV+XZW$$

$$(c) (X+Y)ZW + (X+Y)' \text{ 에서 } X+Y \text{ 를 } A \text{ 로 두면} \\ AZW + A' \\ = (A+A')(ZW+A') \\ = 1 \cdot (ZW+(X+Y)') \\ = ZW+XY'$$