Equivalent expressions II

This task is about what happens to indices when simplifying algebraic expressions.

Circle the letter next to the expression that is equal to the one that is given.

a) $w^5 \times w^3$ is equal to

(**A**) $2w^8$ (**B**) $2w^{15}$ (**C**) w^8 (**D**) w^{15}

b) $y^{12} \div y^3$ is equal to

(**A**) y^4 (**B**) y^9 (**C**) y^{15} (**D**) y^{36}

c) $5m^4 \times 4m^5$ is equal to

(**A**) $9m^{20}$ (**B**) $20m^{20}$ (**C**) $9m^9$ (**D**) $20m^9$

d) $24p^8 \div 8p^2$ is equal to

(**A**) $3p^6$ (**B**) $16p^6$ (**C**) $3p^4$ (**D**) $16p^4$

e) $(2s^3)^4$ is equal to

(**A**) $8s^7$ (**B**) $16s^7$ (**C**) $8s^{12}$ (**D**) $16s^{12}$

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