

Equivalent expressions II

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

Choose the expression that is equal to the one that is given.

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



$2w^8$



$2w^{15}$



w^8



w^{15}

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



y^4



y^9



y^{15}



y^{36}

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



$9m^{20}$



$20m^{20}$



$9m^9$



$20m^9$

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



$3p^6$



$16p^6$



$3p^4$



$16p^4$

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



$8s^7$



$16s^7$



$8s^{12}$



$16s^{12}$