

## PROPIEDADES DE LAS POTENCIAS

1. Simplifica usando las propiedades de las potencias y calcula:

Aclaraciones:

- En la casilla verde del apartado a) pon el resultado simplificado de la fracción anterior.
- En la casilla naranja del apartado e) “da la vuelta a la fracción”.

a)  $\left(\frac{5}{6}\right)^{-2} : \left(\frac{5}{12}\right)^{-2} = \left(\frac{\boxed{\phantom{0}}}{\boxed{\phantom{0}}} \quad \boxed{\phantom{0}} \quad \frac{\boxed{\phantom{0}}}{\boxed{\phantom{0}}}\right)^{\boxed{\phantom{0}}} = \left(\frac{\boxed{\phantom{0}}}{\boxed{\phantom{0}}}\right)^{\boxed{\phantom{0}}} =$

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b)  $8^5 : 2^6 = \left(\boxed{\phantom{0}}^{\boxed{\phantom{0}}}\right)^{\boxed{\phantom{0}}} : \boxed{\phantom{0}}^{\boxed{\phantom{0}}} =$

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c)  $\frac{7^{-8}}{(7^4)^{-2} \cdot 7^{-1}} = \frac{\boxed{\phantom{0}}^{\boxed{\phantom{0}}}}{\boxed{\phantom{0}}^{\boxed{\phantom{0}}} \cdot \boxed{\phantom{0}}^{\boxed{\phantom{0}}}} =$

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d)  $5^3 \cdot 2^3 \cdot 10^{-5} = (\boxed{\phantom{0}} \boxed{\phantom{0}} \boxed{\phantom{0}})^{\boxed{\phantom{0}}} \cdot \boxed{\phantom{0}}^{\boxed{\phantom{0}}} =$

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e)  $\frac{(\frac{3}{5})^4 \cdot (\frac{5}{3})^{-2}}{(\frac{3}{5})^8} = \frac{(\frac{3}{5})^4 \cdot \left(\frac{3}{5}\right)^{\boxed{\phantom{0}}}}{(\frac{3}{5})^8} = \frac{\left(\frac{3}{5}\right)^{\boxed{\phantom{0}} \boxed{\phantom{0}} \boxed{\phantom{0}}}}{(\frac{3}{5})^{\boxed{\phantom{0}}}} =$

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