

Nome: \_\_\_\_\_ nº: \_\_\_\_\_ T. \_\_\_\_\_ Data: \_\_\_\_\_

### 7.6.6b Multiplicação de Potências com Duas Bases

1. Reduza a uma só potência:

a)  $q^4 \cdot r^8 \cdot q^9 \cdot r^3$

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b)  $26^9 \cdot 26^{15} \cdot 34^7 \cdot 34^4$

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c)  $5^4 \cdot 8^6 \cdot 8^9 \cdot 5^8 \cdot 5^{11} \cdot 8^{13}$

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d)  $8^9 \cdot 9^7 \cdot 8^{16} \cdot 9 \cdot 8 \cdot 9^{12}$

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e)  $15^{12} \cdot 15^5 \cdot 21^6 \cdot 21^3 \cdot 15^7 \cdot 21^4$

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f)  $p^5 \cdot b^8 \cdot b^{17} \cdot p^{21}$

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g)  $7^3 \cdot 2^9 \cdot 7^7 \cdot 2^6 \cdot 7^5 \cdot 2^{15}$

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h)  $2^9 \cdot 2^6 \cdot 6^8 \cdot 6^7 \cdot 2^7 \cdot 6^5$

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i)  $g^{14} \cdot h^{12} \cdot h^{13} \cdot g^{11}$

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j)  $10^3 \cdot 13^6 \cdot 10^{12} \cdot 13^8 \cdot 10^6 \cdot 13^7$

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k)  $7^{28} \cdot 5^{23} \cdot 7^{32} \cdot 5^{45}$

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l)  $4^6 \cdot 5^7 \cdot 5^{11} \cdot 4^3 \cdot 4^{15} \cdot 5^9$

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