

PROBLEMS AND SOLUTIONS

to accompany

PHYSICAL CHEMISTRY for the Biosciences

RAYMOND CHAND



Mark D. Marshall and Helen O. Loong

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web oct 6 2021 answer $2\sqrt{5} \times 3\sqrt{y}$ tip to simplify finding an n th root divide the powers by the index $a^6 a^3$ which is $a^6 \div a^3 = a^3$ $b^6 \div b^2 = b^4$ which is $b^6 \div b^2 = b^4$ $c^6 \div c^1 = c^5$ if the index does not divide into the power evenly then we can use the quotient and remainder to simplify

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web we will simplify this radical expression into the simplest form until no further simplification can be done step 1 find the factors of the number under the radical $486 = 3 \cdot 3 \cdot 3 \cdot 3 \cdot 2$ step 2 write the number under the radical as a product of its factors as powers of 2 $486 = 3^2 \cdot 3^2 \cdot 3^2$

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