Name

Radicals - Cube - Simplifying, Values and Variables, Nothing Remaining

1 Simplify the radical

$\sqrt[3]{27q^3t^3}$

A $4q^2t\sqrt[3]{4}$ B $qt\sqrt[3]{3}$ C $4q^3t$

D $6qt\sqrt[3]{4}$ E $3qt$

2 Simplify the radical

$\sqrt[3]{125r^6p^6}$

A $2rp$ B $7r^3p$ C $7rp\sqrt[3]{2}$ D $5r^2p^2$ E $7r^2p^4$

3 Simplify the radical

$\sqrt[3]{8n^6z^6}$

A $2nz^2\sqrt[3]{3}$ B n^3z C $2n^2z^2$

D $2n^3z$ E $2nz^4\sqrt[3]{2}$

4 Simplify the radical

$\sqrt[3]{125n^3w^6}$

A $7nw$ B $5n^2w^4$ C $5nw^2$ D n^3w^3 E $3n^2w^3$

5 Simplify the radical

$\sqrt[3]{64p^3r^3}$

A $5pr^2$ B $p^3r\sqrt[3]{2}$ C $5pr^3$ D $4pr$ E $4pr^2$

6 Simplify the radical

$\sqrt[3]{125n^3z^3}$

A $4nz$ B $4nz^3\sqrt[3]{3}$ C $3nz^3$ D $5nz$ E $2n^2z$

7 Simplify the radical

$\sqrt[3]{27r^3y^6}$

A $3ry^2\sqrt[3]{2}$ B $3r^3y$ C $5r^2y^4$ D $2ry^4\sqrt[3]{4}$ E $3ry^2$

8 Simplify the radical

$\sqrt[3]{8n^6y^6}$

A $ny\sqrt[3]{4}$ B $2ny$ C ny

D $n^2y\sqrt[3]{4}$ E $2n^2y^2$