

Radical Form and Exponential Form

A) Write each of the following in radical form.

1) $62^{\frac{7}{9}}$

2) $57^{\frac{5}{2}}$

3) $24^{\frac{9}{7}}$

4) $13^{\frac{6}{5}}$

5) $99^{\frac{7}{3}}$

B) Write each of the following in exponential form.

1) $\sqrt[4]{55^9}$

3) $\sqrt[4]{38^5}$

5) $(\sqrt[3]{41})^4$

6) $(\sqrt[7]{76})^4$

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Radical Form and Exponential Form

A) Write each of the following in radical form.

1) $62^{\frac{7}{9}}$

$\sqrt[9]{62^7}$ or $(\sqrt[9]{62})^7$

2) $57^{\frac{5}{2}}$

$\sqrt{57^5}$ or $(\sqrt{57})^5$

3) $24^{\frac{9}{7}}$

$\sqrt[7]{24^9}$ or

4) $13^{\frac{6}{5}}$

$\sqrt[5]{13^6}$ or $(\sqrt[5]{13})^6$

5) $99^{\frac{7}{3}}$

$\sqrt[3]{99^7}$ or

B) Write each of

1) $\sqrt[4]{55^9}$

$5^{\frac{9}{4}}$

3) $\sqrt[4]{38^5}$

$38^{\frac{5}{4}}$

5) $(\sqrt[3]{41})^4$

$41^{\frac{4}{3}}$

6) $(\sqrt[7]{76})^4$

$72^{\frac{3}{8}}$

$83^{\frac{7}{2}}$

$76^{\frac{4}{7}}$

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