Name: _____

Radical Form and Exponential Form

A) Write each of the following in radical form.

1) $50^{\frac{1}{8}}$

_____

2) $16^{\frac{2}{3}}$

_____

3) $89^{\frac{3}{2}}$

_____

4) $35^{\frac{7}{4}}$

_____

5) $78^{\frac{4}{9}}$

_____

6) $26^{\frac{9}{5}}$

_____

B) Write each of the following in exponential form.

1) $\sqrt[8]{93^5}$

_____

2) $\left(\sqrt{31}\right)^9$

_____

3) $\sqrt[5]{22^7}$

_____

4) $\sqrt[3]{7^5}$

_____

5) $\left(\sqrt[9]{63}\right)^8$

_____

6) $\left(\sqrt[7]{49}\right)^4$

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