Bellwork

Alg 2 Thursday, January 23, 2020

Remember: $a^{\frac{m}{n}} = \sqrt[n]{a^m}$ or $(\sqrt[n]{a})^m$ 1. Write each in exponential form.

a) $\sqrt[3]{m^8}$

b) $4\sqrt{x^9}$

c) $\sqrt[7]{9a^2}$

2. Write each in radical form.

a) $Q^{\frac{4}{7}}$

b) $(5g)^{\frac{3}{2}}$

c) $10P^{\frac{1}{5}}$

- 3. State all the real fifth roots of 1,048,576. 4. State all the real fourth roots of 20,736.

5. Simplify. $\sqrt{54}$ 6. Find all EXACT solutions. $2x^2 - 11 = 85$ Bellwork

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ANSWERS

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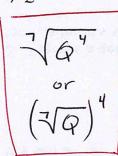


b)
$$4\sqrt{x^9}$$

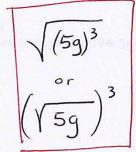
c)
$$\sqrt[3]{9a^2}$$

2. Write each in radical form.

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3. State all the real fifth roots of 1,048,576.

4. State all the real fourth roots of 20,736.

5. Simplify.

6. Find all EXACT solutions.

$$2x^2 - 11 = 85$$

$$\frac{2x^2}{2} = \frac{96}{2}$$