

Algebra 2 Bellwork Monday, April 13, 2015

Simplify each. Use absolute value symbols when necessary.

1. $\sqrt{24g^8h^{14}}$

2. $\sqrt[3]{16q^{21}r^{12}}$

3. $\sqrt[4]{162a^9b^{20}c^{42}}$

4. $\sqrt[5]{64x^{28}y^{32}z^{17}}$

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Simplify each. Use absolute value symbols when necessary.

Answers

1. $\sqrt{24g^8h^{14}}$
 $\wedge$
 $4 \cdot 6$

$$2g^4|h^7|\sqrt{6}$$

2. $\sqrt[3]{16q^{21}r^{12}}$
 $\wedge$
 $8 \cdot 2$

$$2q^7r^4\sqrt[3]{2}$$

3. $\sqrt[4]{162a^9b^{20}c^{42}}$
 $\wedge$
 $81 \cdot 2$

$$3a^2|b^5|c^{10}\sqrt[4]{2ac^2}$$

4. $\sqrt[5]{64x^{28}y^{32}z^{17}}$
 $\wedge$
 $32 \cdot 2$

$$2x^5y^6z^3\sqrt[5]{2x^3y^2z^2}$$