Algebra 2 Thursday, February 25, 2016 Bellwork

1. Simplify. Use absolute value symbols when needed.

$$\sqrt[4]{128a^9b^{15}c^{34}} =$$

Rationalize each. Simplify if possible. Assume all variables are positive.

2.
$$\frac{14}{\sqrt{12}}$$

3.
$$\frac{7}{\sqrt[4]{64}}$$

4.
$$\frac{6}{\sqrt{10g^7h^3}}$$

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$$\sqrt[4]{128a^9b^{15}c^{34}} = \sqrt[4]{128a^9b^{15}c^{34}} = \sqrt[4]{128a^9b^{15}c^$$

$$24 = 16$$

 $34 = 81$
 $44 = 256$

Rationalize each. Simplify if possible. Assume all variables are positive.

2.
$$\frac{14}{\sqrt{12}} = \frac{14}{2\sqrt{3}}, \frac{\sqrt{3}}{\sqrt{3}} = \frac{14\sqrt{3}}{2\cdot 3}$$

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$$\frac{14}{\sqrt{12}} = \frac{14}{2\sqrt{3}}, \frac{\sqrt{3}}{\sqrt{3}} = \frac{14\sqrt{3}}{2\sqrt{3}}$$
3. $\frac{7}{4\sqrt{64}} = \frac{7}{4\sqrt{4}} =$

4.
$$\frac{6}{\sqrt{10g^7h^3}}$$
, $\frac{\sqrt{\log h}}{\sqrt{\log h}} = \frac{6\sqrt{\log h}}{\sqrt{\log^2 h^3}} = \frac{6\sqrt{\log h}}{\sqrt{\log^2 h^3}} = \frac{3\sqrt{\log h}}{\sqrt{\log h}} = \frac{3\sqrt{\log$