Bellwork Algebra 2 Wednesday, May 28, 2014

1. Simplify each. Use absolute value symbols when necessary.

a)
$$\sqrt[2]{54m^{18}n^{12}p^{23}}$$

b)
$$\sqrt[5]{g^{14}h^{27}j^{43}}$$

3. Rationalize each denominator. Simplify answer.

a)
$$\frac{18}{\sqrt[3]{2a^2b^7}}$$

b)
$$\frac{15}{\sqrt[4]{3x^5y^{19}}}$$

c)
$$\frac{7}{5-\sqrt{11}}$$

2. Simplify.

$$\sqrt{32} + \sqrt{108} - \sqrt{98} + \sqrt{75}$$

4. Solve this radical equation:

$$\sqrt{5x+21} - 3 = x$$