Warm up Fri wk 1 sem 2

Write in exponential form.

Write in radical form.

1.
$$\sqrt{6xy^3z^4}$$
 2. $\sqrt[5]{10a^2c^5d^9}$ 3. $(4x^2y^5)^{\frac{1}{4}}$ 4. $(3a^2c)^{\frac{2}{3}}$
 $\sqrt[2]{6xy^3z^4}$ $10^{\frac{1}{5}}a^{\frac{2}{5}}cd^{\frac{9}{5}}$ $\sqrt[4]{4x^2y^5}$ $\sqrt[3]{(3a^2c)^2} = \sqrt[3]{9a^4c^2}$
 $6^{\frac{1}{2}}x^{\frac{1}{2}}y^{\frac{3}{2}}z^{\frac{4}{2}} =$ Solve Check for extremely roots

Solve. Check for extraneous roots.

7.
$$\sqrt{2x+3}+8=1$$

No solutions

6.
$$8^{-\frac{2}{3}}$$

 $\frac{1}{\frac{2}{8^{3}}} = \frac{1}{(\sqrt[3]{8})^{2}}$
 $\frac{1}{4}$