

4.19.16

Unit Test Probability/Stats: Friday.
Khan Academy: Due Saturday.

Glue this foldable into your notebook and
try examples #1, 2, 3.

Rewrite the expression using Radical Notation.
Then simplify if possible.

$$a^{\frac{m}{n}} = \sqrt[n]{a^m} = \left(\sqrt[n]{a}\right)^m$$

1) $9^{\frac{1}{2}}$

$$\sqrt[2]{9^1} = \boxed{3}$$

2) $8^{\frac{2}{3}}$

$$\sqrt[3]{8^2} = \boxed{4}$$
$$\left(\sqrt[3]{8}\right)^2$$

3) $x^{\frac{3}{5}}$

$$\sqrt[5]{x^3}$$
$$\left(\sqrt[5]{x}\right)^3$$