FMP 10 LG 8A (Formative Assessment)

Marking Teacher: _____ **Name: _____**

Student #: _____

1. Approximate the value of each of the following radicals to two decimal places.

a. $\sqrt{15}$

b. $\sqrt[3]{27}$

2. Tell whether each radical below is rational or irrational:

a. $\sqrt{21}$

b. $\sqrt{\frac{25}{81}}$

3. Classify each of the following real numbers as natural, whole, integer, rational and/or irrational. Use **all** classifications that apply to each number.

a. $6\frac{1}{2}$ **b.** -57

4. Write the following radicals in simplest form, if possible:

a. $\sqrt{80}$

b. $\sqrt[3]{160}$

5. Rewrite the following mixed radicals as an entire radical:

a. $6\sqrt{5}$

b. $2\sqrt[3]{10}$

Directions: ☐ **See me about this** ☐ **Move on to next guide** ☐ **Review and redo**

FMP 10 LG 8B (Formative Assessment)

Marking Teacher: _____ **Name: _____**

Student #: _____

1. Approximate the value of each of the following radicals to two decimal places.

a. $\sqrt[3]{20}$

b. $\sqrt{40}$

2. Tell whether each radical below is rational or irrational:

a. $\sqrt{81}$

b. $\sqrt{\frac{25}{79}}$

3. Classify each of the following real numbers as natural, whole, integer, rational and/or irrational. Use **all** classifications that apply to each number.

a. $-65\frac{3}{4}$ **b.** 81

4. Write the following radicals in simplest form, if possible:

a. $\sqrt{96}$

b. $\sqrt[3]{270}$

5. Rewrite the following mixed radicals as an entire radical:

a. $8\sqrt{3}$

b. $3\sqrt[3]{12}$

Directions: ☐ **See me about this** ☐ **Move on to next guide** ☐ **Review and redo**