Terminating and Repeating Decimals Practice Worksheet

Name: _____

Date: _____

1 In your own words, what does it mean if a decimal terminates? Provide an example.

2 In your own words, what does it mean if a decimal repeats? Provide an example.

3 Using long division, find the decimal equivalent of $\frac{2}{5}$. What kind of decimal is it?

4 Using long division, find the decimal equivalent of $\frac{2}{11}$ as a decimal. What kind of decimal is it?

5 Describe and correct the error in writing the repeating decimal 2.166666666 as $2.\overline{16}$.

6 Are the two decimals listed below equal to each other. Explain.

0.3 and $0.\overline{3}$