

**Accelerated Math (Section 3.2)**  
**Repeating Decimals TO Fractions**

Name \_\_\_\_\_  
Block \_\_\_\_\_ Date \_\_\_\_\_

**TASK:**

Change each of these repeating decimals into their equivalent fraction forms written in simplest form.

**Requirements:**

- \*Show all work on separate paper in a neat and organized manner.
- \*Show ALL algebraic steps as shown in notes examples. Do NOT skip steps.
- \* Final answers should be fractions written in simplest form.

**Grading for Assignment:**

- \*Counts in "Other Assignments" category
- \*Worth a total of 30 points Remember to use a calculator to check your fraction to be sure it gives you the repeating decimal you started with
- \*Points will be deducted for papers turned in late

**Due Date: Wednesday, October 9**

1)  $0.0\overline{5}$

2)  $0.\overline{51}$

3)  $0.\overline{123}$

4)  $0.5\overline{6}$

5)  $0.6\overline{2}$

6)  $0.03\overline{45}$

7)  $0.24\overline{6}$

8)  $0.\overline{025}$

9)  $0.28\overline{54}$

10)  $0.4\overline{16}$