

Due by Friday, Oct. 11, in class or WA 6 DropBox

Each WA is worth 10 points. Work right on these pages. You can work together or see a tutor, but NEVER copy. This WA is for a grade, so dishonesty or cutting corners may earn a 0 for all involved.

1. [3.5 pts - 0.5 to 1.5 each] Perform the conversions below, IF POSSIBLE. If not possible, say so. Show work as needed.

(a) Convert 3.43% to a classroom fraction.

(b) Convert 0.585585558... to a percent, rounded to the nearest tenth of a percent.

(c) Convert $183/33$ to a decimal number, using meaningful notation.

(d) Convert $2.\overline{85}$ to a classroom fraction.

2. [1 pt] Circle the numbers below that are rational.

0.85

0.858585...

0.858858885...

85

3. [1.5 pts] CIRCLE the number below that is largest. UNDERLINE the number that is second largest. Put a BOX around the number that is smallest. If there's a tie, mark ALL tied numbers the same way.

0.989 0.98 $\bar{9}$ $\frac{98}{99}$ 989% 0.9898898889...

4. [1 pt] Find an irrational number that is between $\frac{1}{4}$ and $0.\overline{25}$. Show work as needed.

5. (a) [1.5 pts] What percent of 56.1 is 71.4, rounded to the nearest tenth of a percent? Show organized work as needed, and clearly indicate your answer.

- (b) [1.5 pts] 382.4 is 23.1% of what number? Round to the nearest tenth. Show organized work as needed, and clearly indicate your answer.