

12. [5 pts] Create an irrational number that is between $\frac{28}{33}$ and $0.\overline{848}$.

$$\frac{28}{33} = .8484848\dots$$

- 1 lost...
- 3 intended rational.
- 1 unclear pattern

$$0.\overline{848} = .848848\dots$$

$$\boxed{.8486166616661\dots}$$

(various)

13. [6 pts] Robert's retirement was worth \$117,750 last year. This year, it is only worth \$98,920. By what percent did it decrease? Round to the nearest tenth of a percent.

- 1 15.99%
- 3 117750 ÷ 18830

$$\begin{array}{r} \$117,750 \\ - \$98,920 \\ \hline \$18,830 \end{array}$$

$$\frac{18830}{117750} = .159915$$

$$\boxed{= 16.0\%}$$

14. [6 pts] Kelly paid \$45.78 for a dress marked 20% off. What was the original price of the dress?

- 4 120% of 45.78.

$$45.78 = 80\% \text{ of price}$$

$$\frac{45.78}{.8} = \boxed{\$57.23}$$