

Name: _____
MATH 101
Spring 2022
HW 5: Due 02/22

*“People waste their time pondering
whether a glass is half empty or half full.
Me, I just drink whatever’s in the glass.”
– Sophia Petrillo, The Golden Girls*

Problem 1. (10pt) Compute the following:

- (a) 45% of 160
- (b) 90% of 18
- (c) 170% of 850
- (d) 1% of 55

Problem 2. (10pt) Compute the following:

- (a) 690 increased by 35%
- (b) 1200 decreased by 55%
- (c) 44 increased by 126%
- (d) 107 decreased by 99%

Problem 3. (10pt) Suppose you invest \$600 in an account which gains 1.3% interest per year, compounded quarterly. How much will be in the account after 30 years?

Problem 4. (10pt) Convert the following:

- (a) \$64 to £ [$1 \text{ £} = \1.36]
- (b) 12.6 days to seconds
- (c) 15 feet per second to mph [$5280 \text{ ft} = 1 \text{ mi}$]
- (d) \$4 per square foot to \$ per square inch