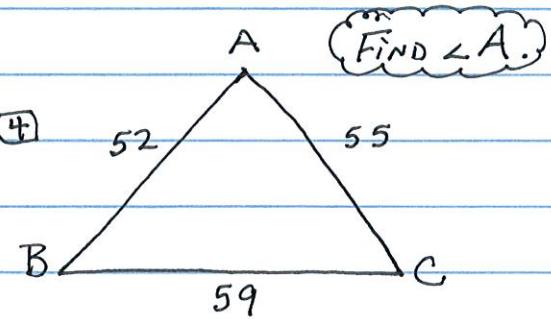
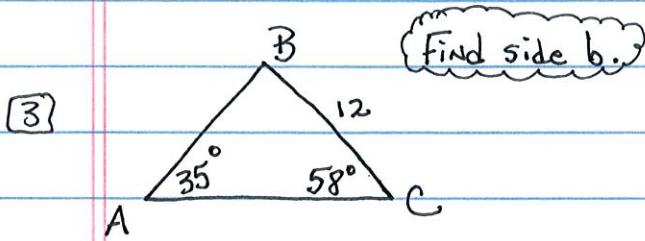


Act. #44 Review for Unit TEST #1

- ① To the nearest hundredths, how long would it take \$4800 to double if compounded continuously at 2.35% interest rate?
- ② Bob and Deona both deposit \$700. Bob's bank has an interest rate of 3.4%. Deona's interest rate is 2.8%. How much money will Bob have when Deona's money has doubled?



- ⑤ John wants to measure the height of a tree. He walks exactly 120 ft from the base of the tree and looks up. The angle of elevation from the ground to the top of the tree is 38° . The tree grows at an angle of 87° with respect to the ground rather than vertically. How tall is the tree?

- ⑥ Multiply (Expand) using Pascal's Triangle OR Binomial Multiplication.

$$(xy - 2)^5$$