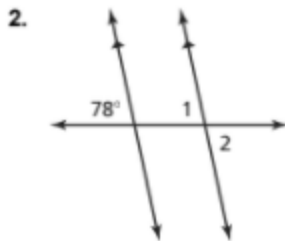
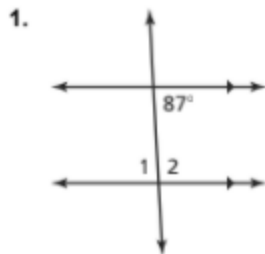
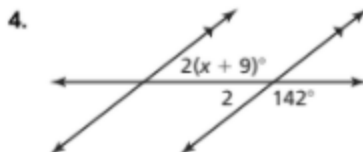
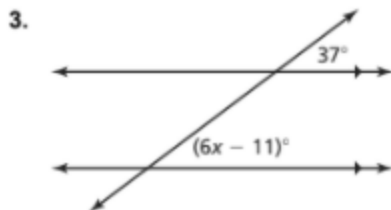


# 10.2 Practice A

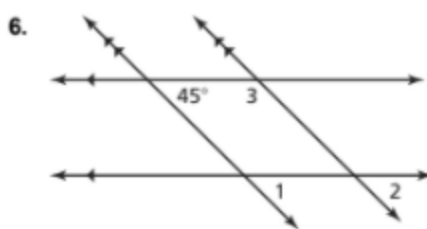
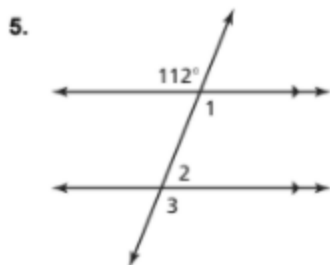
In Exercises 1 and 2, find  $m\angle 1$  and  $m\angle 2$ . Tell which theorem you used in each case.



In Exercises 3 and 4, find the value of  $x$ . Show your steps.



In Exercises 5 and 6, find  $m\angle 1$ ,  $m\angle 2$ , and  $m\angle 3$ . Explain your reasoning.



7. Prove the Corresponding Angles Theorem.

8. Prove that if  $\angle 1 \cong \angle 2$ , then  $\angle 2 \cong \angle 3$ . What is  $m\angle 1$ ? Explain.

