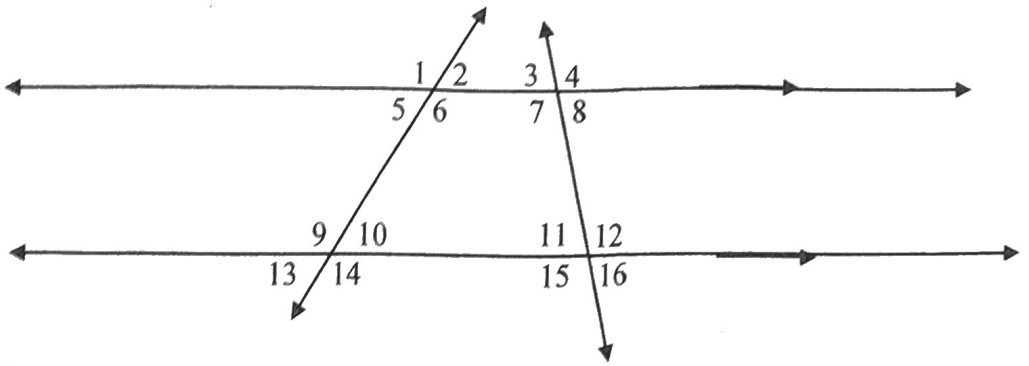
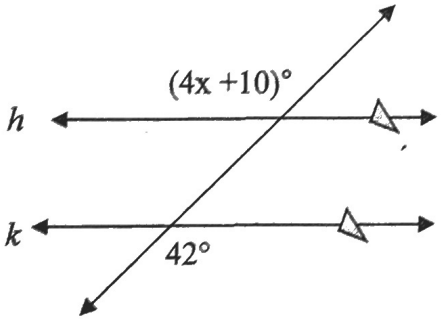
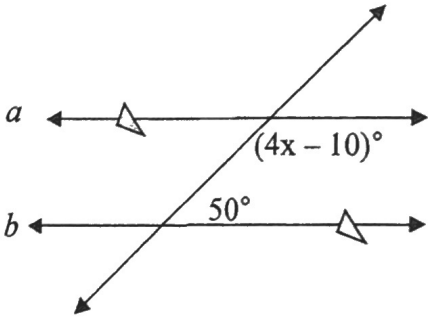
Name : _____



Let m∠1 = 115° and m∠12 = 110°. Find the measure of each indicated angle.

1) m∠9 = ____	2) m∠4 = ____
3) m∠10 = ____	4) m∠11 = ____
5) m∠8 = ____	6) m∠5 = ____
7) m∠3 = ____	8) m∠14 = ____

9) To solve for x in the diagram below, John used the equation 4x +10 = 42. Write out the theorem or postulate that allows him to do so.



10) To solve for x in the diagram below, Jenna used the equation 4x – 10+50 = 180. Write out the theorem or postulate that allows her to do so.