

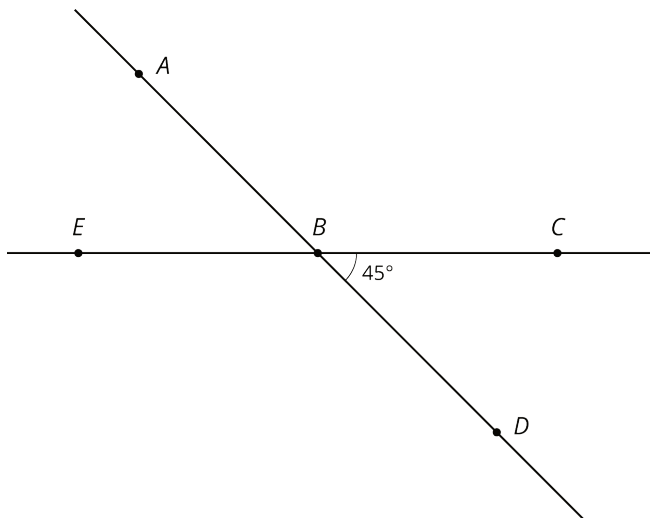
Lesson 14 Practice Problems

1. Use the diagram to find the measure of each angle.

a. $m\angle ABC$

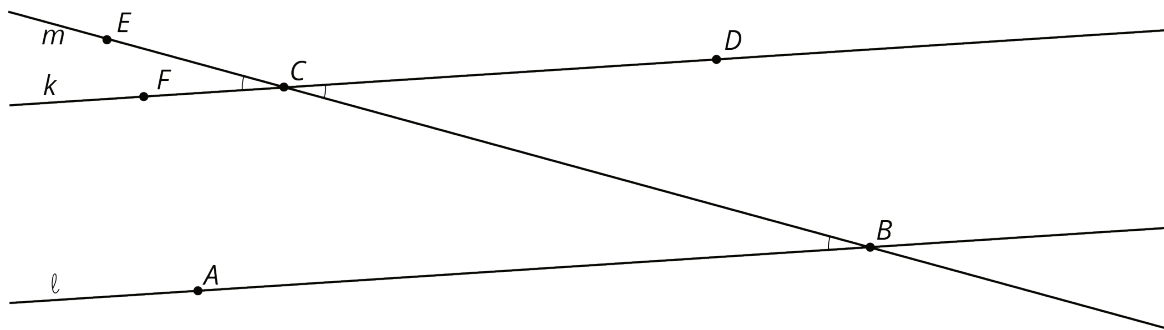
b. $m\angle EBD$

c. $m\angle ABE$



(From Unit 1, Lesson 9.)

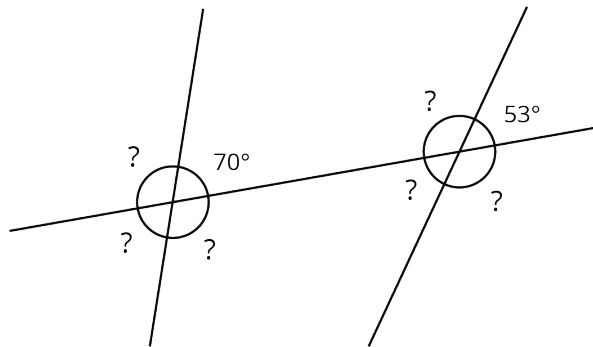
2. Lines k and ℓ are parallel, and the measure of angle ABC is 19 degrees.



a. Explain why the measure of angle ECF is 19 degrees. If you get stuck, consider translating line ℓ by moving B to C .

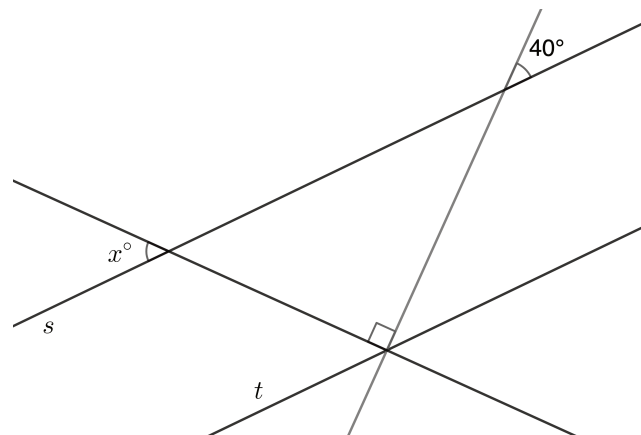
b. What is the measure of angle BCD ? Explain.

3. The diagram shows three lines with some marked angle measures.



Find the missing angle measures marked with question marks.

4. Lines s and t are parallel. Find the value of x .



5. The two figures are scaled copies of each other.

a. What is the scale factor that takes Figure 1 to Figure 2?

b. What is the scale factor that takes Figure 2 to Figure 1?

