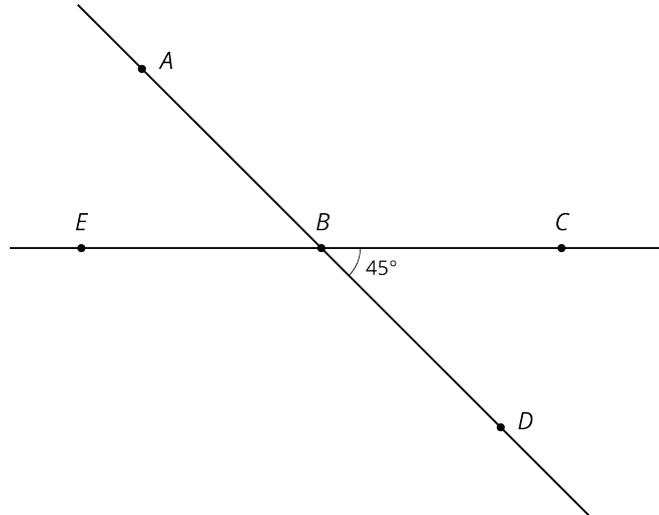


## Lesson 14 Practice Problems

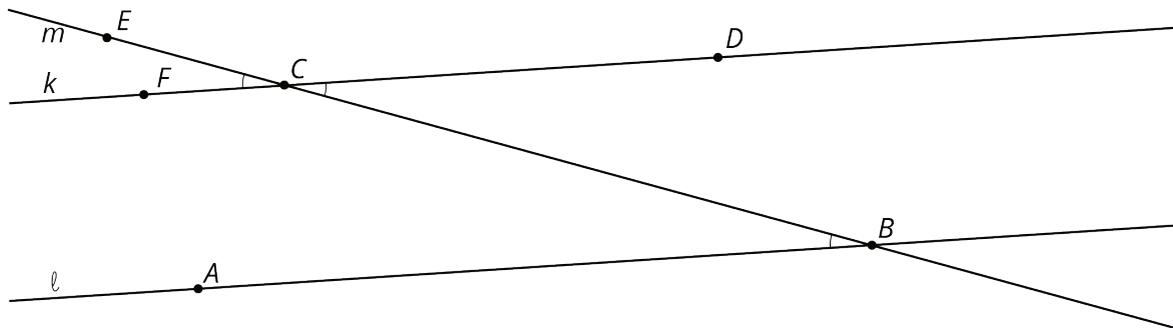
1. Use the diagram to find the measure of each angle.

- $m\angle ABC$
- $m\angle EBD$
- $m\angle ABE$



(From Unit 1, Lesson 9.)

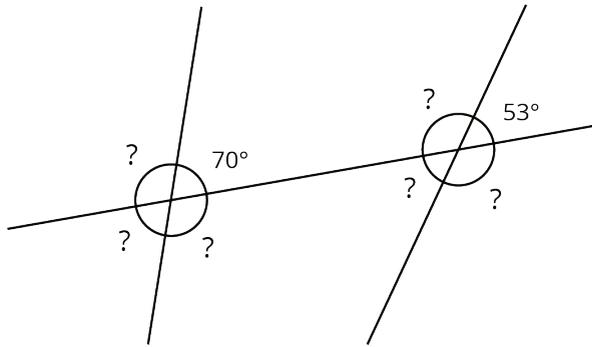
2. Lines  $k$  and  $\ell$  are parallel, and the measure of angle  $ABC$  is 19 degrees.



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

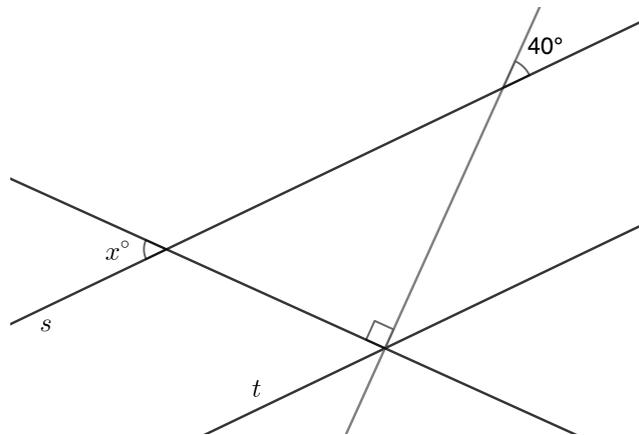
b. What is the measure of angle  $BCD$ ? Explain.

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?

