Name: _____ Date: _____

1.2 Warm Up

1. **a)** Translate the figure 4 units to the right.
Label the new coordinates A′, B′, and C′.

b) What are the coordinates of A′, B′, and C′?

A′ (_____, _____)

B′ _____

C′ _____

c) Reflect A′B′C′ over the *x*-axis.
Label the new coordinates A″, B″, and C″.

2. **a)** Draw the lines of symmetry for each figure.
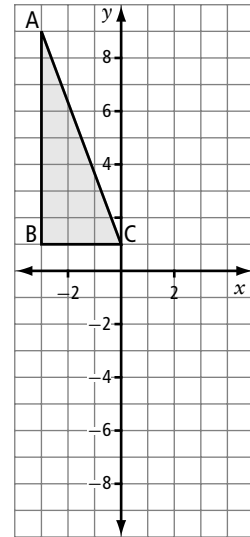Then, write the number of lines of symmetry.

Figure	Draw Lines of Symmetry	Number of Lines of Symmetry
Equilateral triangle		
Square		
Regular pentagon		
Regular hexagon		

b) What pattern do you notice? _____

3. How many lines of symmetry does each figure have?

a) _____

b) _____