## Unit 4 Lesson 1 Cumulative Practice Problems

1. At the book sale, all books cost less than $5.
	1. What is the most expensive a book could be?
	2. Write an inequality to represent costs of books at the sale.
	3. Draw a number line to represent the inequality.
2. Kiran started his homework *before* 7:00 p.m. and finished his homework *after* 8:00 p.m. Let $h$ represent the number of hours Kiran worked on his homework.
* Decide if each statement it is definitely true, definitely not true, or possibly true. Explain your reasoning.
	1. $h>1$
	2. $h>2$
	3. $h<1$
	4. $h<2$
	5. Show that the two triangles are congruent.
	6. Find the side lengths of $DEF$ and the angle measures of $ABC$.
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* (From Unit 1, Lesson 11.)
1. Here is a polygon on a grid.
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* Draw a scaled copy of this polygon that has a perimeter of 30 units. What is the scale factor? Explain how you know.
* (From Unit 2, Lesson 2.)



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