### Lesson 11 Practice Problems

1. Here are two three-dimensional figures.
* Tell whether each of the following statements describes Figure A, Figure B, both, or neither.
* 
	1. This figure is a polyhedron.
	2. This figure has triangular faces.
	3. There are more vertices than edges in this figure.
	4. This figure has rectangular faces.
	5. This figure is a pyramid.
	6. There is exactly one face that can be the base for this figure.
	7. The base of this figure is a triangle.
	8. This figure has two identical and parallel faces that can be the base.
	9. Is this polyhedron a prism, a pyramid, or neither? Explain how you know.
	+ 
	1. How many faces, edges, and vertices does it have?
	2. What polyhedron can be assembled from this net? Explain how you know.
	+ 
	1. Find the surface area of this polyhedron. Show your reasoning.
	2. A parallelogram has a base of 12 meters and a height of 1.5 meters. What is its area?
	3. A triangle has a base of 16 inches and a height of $\frac{1}{8}$ inches. What is its area?
	4. A parallelogram has an area of 28 square feet and a height of 4 feet. What is its base?
	5. A triangle has an area of 32 square millimeters and a base of 8 millimeters. What is its height?
* (From Unit 1, Lesson 8.)
1. Find the area of the shaded region. Show or explain your reasoning.
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* (From Unit 1, Lesson 3.)



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