**Lesson 3: Independent Practice**

Try similar problems on your own. Pay close attention to the details in each of the problems. You will need to decide which resources are needed for problem. You may use a calculator to complete the problems.

1. A concrete pad is being poured with the dimensions of 50 feet long, 16 feet wide, and 12 inches deep.
	1. A glaze will go on all visible surfaces of the concrete pad. How many square feet of surface area are visible?
	2. How many square inches are visible?
	3. How much will the glaze cost the company charges $50 per square yard?
2. A container in the shape of a rectangular prism has a surface area of 34 ft2. It has a width of 2 ft and a length of 4 ft. What is the height of the container?
3. A right triangular prism has sides that are 8 inches, 15 inches, and 17 inches long. It has a height of 20 inches. What is the surface area of the prism in square inches?
4. A tent in the shape of a triangular prism has a length of 4 feet. The front and rear tent flaps are shaped like triangles, each with a base of 3 feet, a height of 2 feet, and two side lengths of 2.5 feet. What is the surface area of the tent?
5. A square pyramid has a base with side lengths of 12 centimeters and a height of 8 centimeters. What is the surface area of the pyramid?
6. A pyramid has a volume of 128 in3. The height is 6 inches. What is the surface area of the pyramid?