**11-1 Skills Practice**

***Areas of Parallelograms and Triangles***

**Find the perimeter and area of each parallelogram or triangle. Round to the nearest tenth if necessary.**

** 1. 2.**

** 3. 4.**

** 5. 6.**

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** 7. 8. 9.**

 **10.** The height of a parallelogram is 5 feet more than its base. If the area of the parallelogram is 204 square feet,
find its base and height.

 **11.** The base of a triangle is four times its height. If the area of the triangle is 242 square millimeters,
find its base and height.

**12. FRAMING** A rectangular poster measures 42 inches by 26 inches. A frame shop fitted the poster with a
half-inch mat border.

**a.** Find the area of the poster.

**b.** Find the area of the mat border.

**13. PACKAGING** A box with a square opening is squashed into the rhombus shown below.



What is the area of the opening?

**14. RUNNING** Jason jogs once around a city block shaped like a parallelogram.



How far did Jason jog?

**15. SHADOWS** A rectangular billboard casts a shadow on the ground in the shape of a parallelogram. What is the area of the ground covered by the shadow? Round your answer to the nearest tenth.

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**16. PATHS** A concrete path shown below is made by joining several parallelograms.



What is the total area of the path?