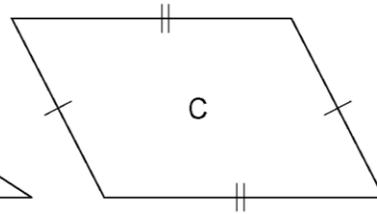
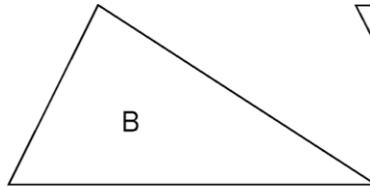
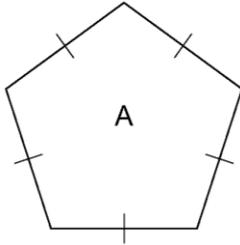


Master 9.21

Extra Practice 1

Lesson 1: Perimeter

1. Find the perimeter of each polygon.



2. The perimeter of an isosceles triangle is 24 cm.
How long might each side be? Give 3 different answers.

Lesson 2: Exploring Rectangles

1. Which rectangle has the greater area? How do you know?
a) Rectangle A with length 20 cm and width 5 cm
b) Rectangle B with length 13 cm and width 12 cm
2. The perimeter of a rectangle is 30 cm.
Find the whole-number dimensions of the rectangle with:
a) the least area
b) the greatest area

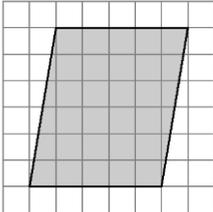
Master 9.22

Extra Practice 2

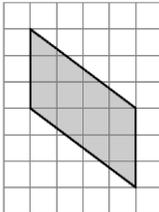
Lesson 4: Area of a Parallelogram

1. Find the area of each parallelogram.

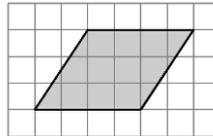
a)



b)



c)



2. A parallelogram with height 11 cm has area 132 cm^2 .
What is the length of the base?

Lesson 5: Exploring Triangles and Rectangles

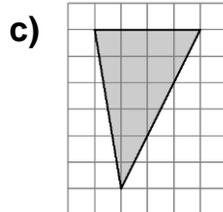
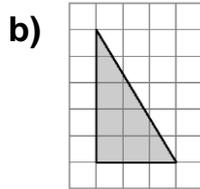
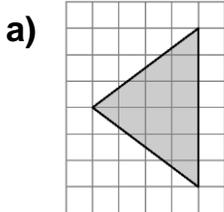
1. A triangle has base 8 cm and height 9 cm.
Find the area of the triangle.
2. A rectangle and a triangle each have a base 7 cm long.
Both figures have area 28 cm^2 .
What is the height of the triangle?

Master 9.23

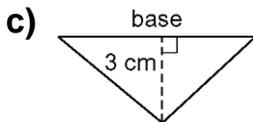
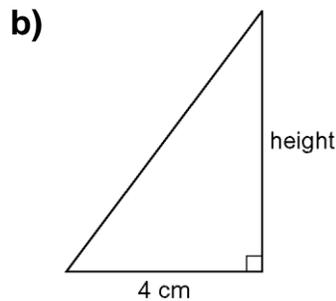
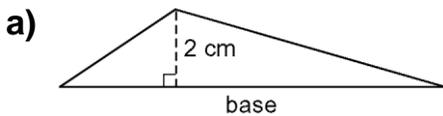
Extra Practice 3

Lesson 6: Exploring Triangles and Parallelograms

1. Find the area of each triangle.

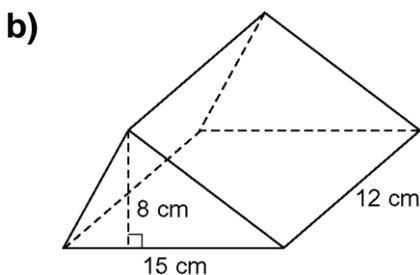
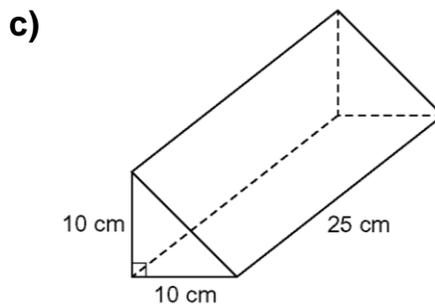
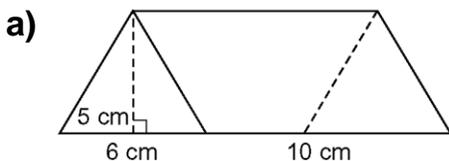


2. Each triangle has area 12 cm^2 . Find each base or height.



Lesson 7: Volume of a Triangular Prism

1. Find the volume of each triangular prism.



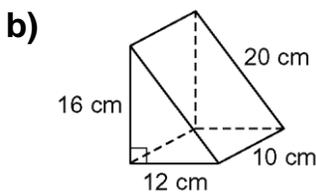
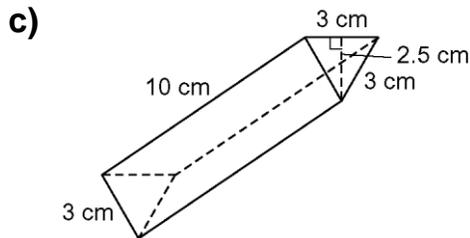
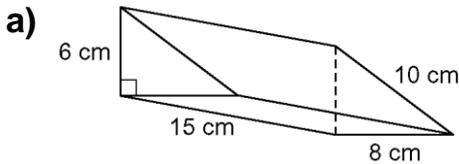
2. A large triangular prism has length 15 cm. Each triangular face has base 7 cm and height 9 cm. Find the volume of the prism.

Master 9.24

Extra Practice 4

Lesson 8: Surface Area of a Triangular Prism

1. Find the surface area of each triangular prism.



2. The length of a triangular prism is 5 cm.
 The side lengths of each triangular face are 5 cm, 5 cm, and 6 cm.
 The height of each triangular face is 4 cm.
 Find the surface area of the triangular prism.

Lesson 9: Sketching Polygons

1. Use a ruler and a compass.
 Construct a triangle with perimeter 15 cm.
 Label each side with its measure.
2. Use 1-cm grid paper.
 Draw a triangle with area 15 cm².
 Label the base and height with their measures.