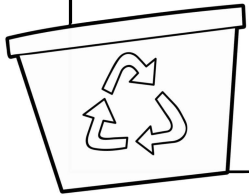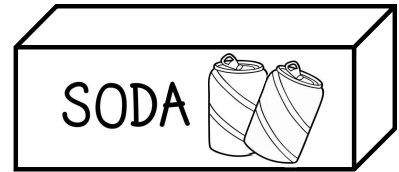Name _____

Date _____ Pd_____

# INTRO TO NETS

Sylvia purchases a 12-pack of sodas packaged in a cardboard box shaped like a rectangular prism. In order to recycle the box, she cuts along the edges and flattens it into a two-dimensional shape.

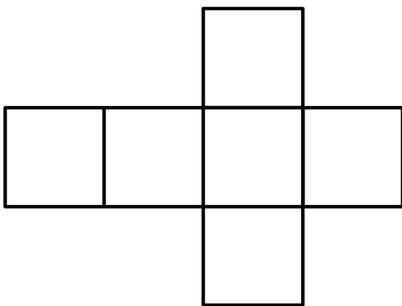a. Sketch what you think the two-dimensional flattened box might look like.
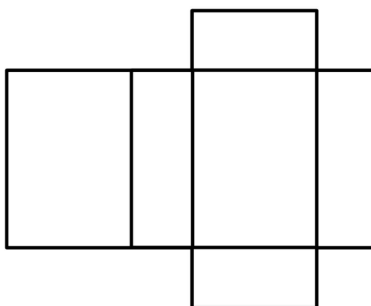


## NETS OF 3D FIGURES

• A net is a two dimensional _____.

• When folded, a net creates a _____ object.

Use the nets below to determine which 3D figure would result from folding it. Then, shade the bases of the object.
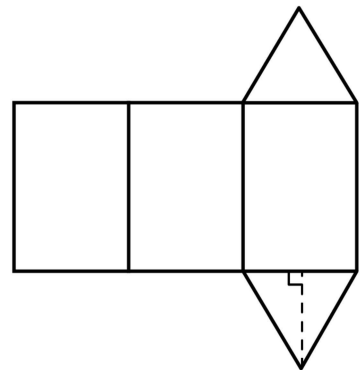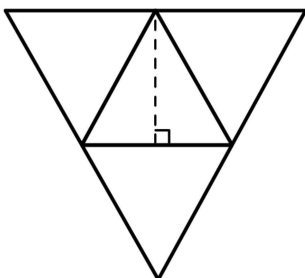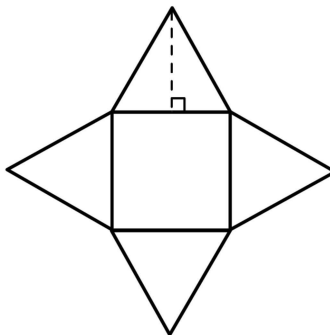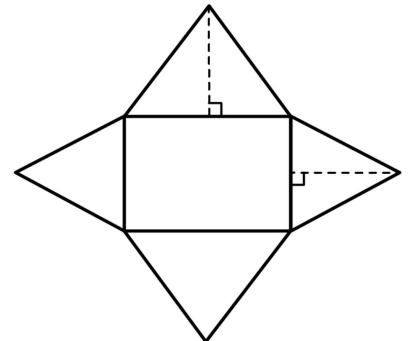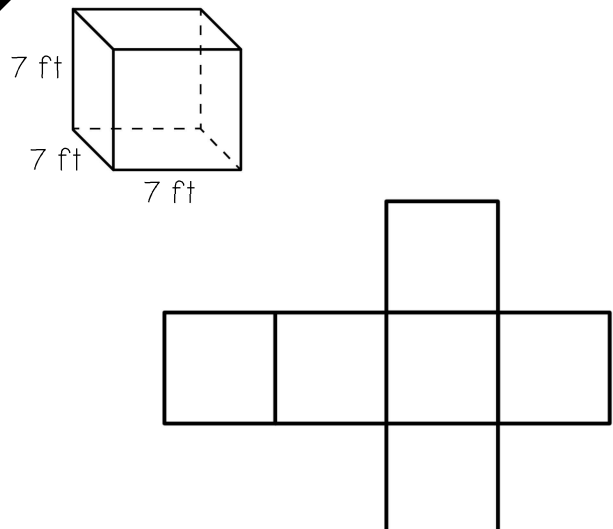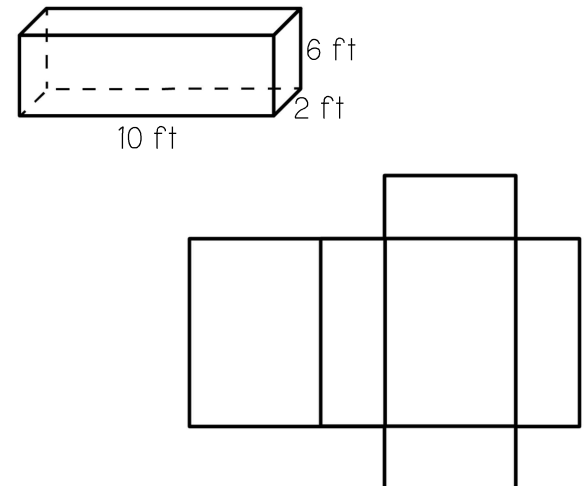


1.

2.

3.

4.

5.

6.

For 7-10, use the measurements from the three-dimensional figures to label the dimensions on the corresponding nets. Answer the questions that follow.

**7**

7 ft
7 ft
7 ft
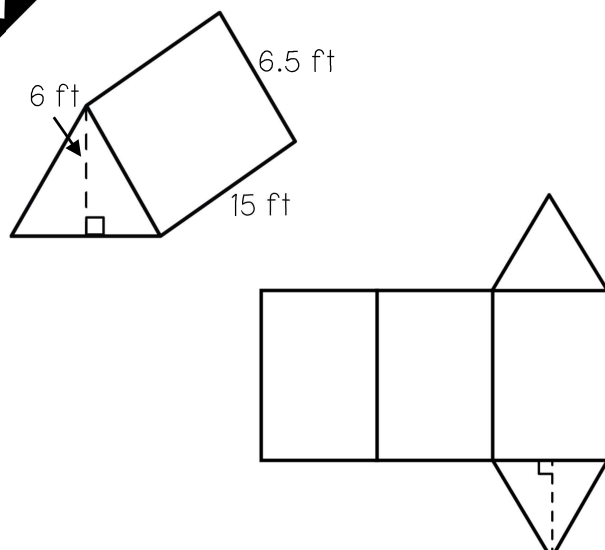
a. Sketch a net with six squares that would not result in a cube.

**8**

6 ft
2 ft
10 ft

a. Give two examples of when a net might be useful in real-life.

**9**

6.5 ft
6 ft
15 ft

a. Rico is asked to shade the bases on the net and he shades the rectangles. Explain why the rectangles are not the base in this figure.

**10**

9 ft
8 ft
10 ft
8 ft
12 ft

a. Delia says that a pyramid is unique because it has one base. Do you agree or disagree? Why or why not?

Name _____

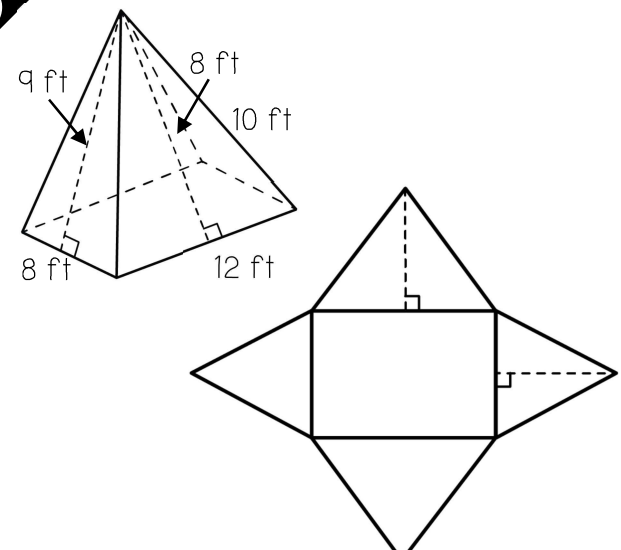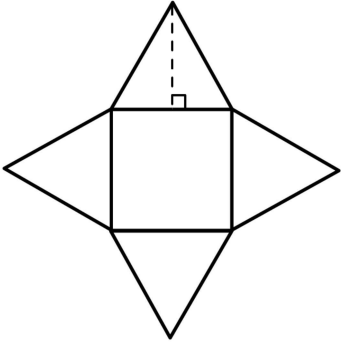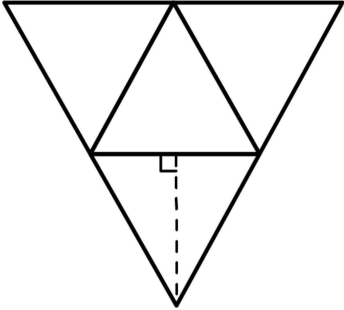Date _____ Pd _____

# INTRO TO NETS

Three statements were made about the nets of the three-dimensional figures below. Two are true and one is false. Mark each statement as true or false and rewrite the false statement to make it true.
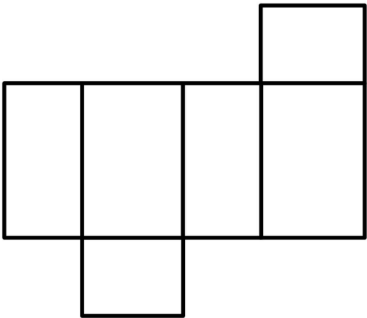
## 1 Madeline sketches the net below of a square pyramid.

| STATEMENT | T/F? |
|---|---|
| The base of the pyramid is a triangle. | |
| The pyramid has one base. | |
| The measure of the base of the square is congruent to the measure of the base the triangular faces | |
| REWRITE THE FALSE STATEMENT TO MAKE IT TRUE: | |

## 2 The triangular pyramid below is composed of equilateral triangles.

| STATEMENT | T/F? |
|---|---|
| Each triangular face has the same base and height. | |
| The pyramid has three triangular bases. | |
| The height of the triangular face forms a right angle with the base. | |
| REWRITE THE FALSE STATEMENT TO MAKE IT TRUE: | |

## 3 Henley sketched a net of a rectangular prism.

| STATEMENT | T/F? |
|---|---|
| The two rectangles that are opposite and parallel to each other are the bases. | |
| The rectangular bases are congruent to each other. | |
| Since the prism is composed of rectangles, each rectangle will have the same area. | |
| REWRITE THE FALSE STATEMENT TO MAKE IT TRUE: | |