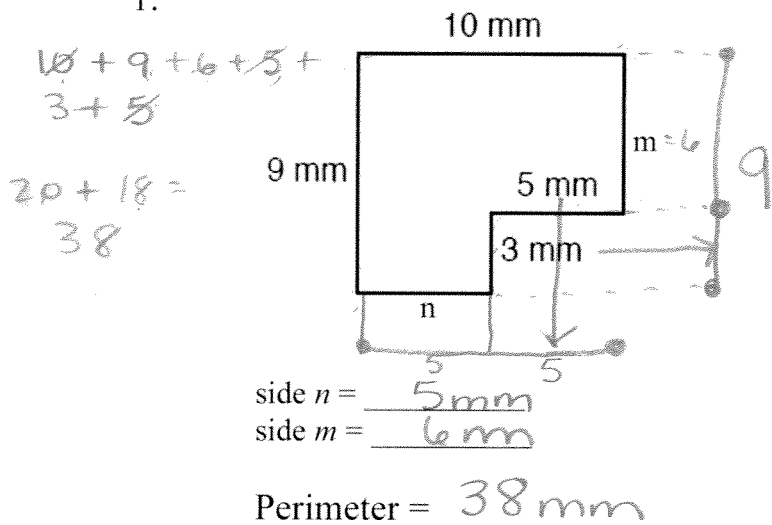


Math 6 (HOLT)  
Chapter 10 Review

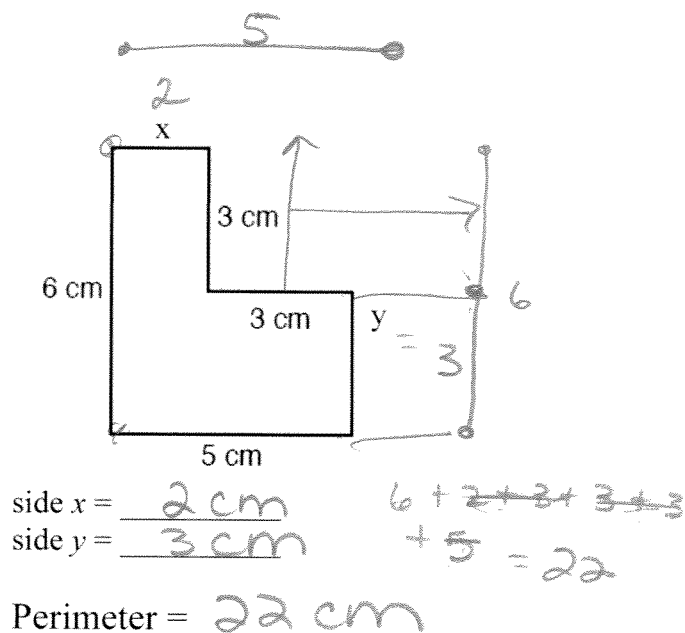
Name Key  
Date \_\_\_\_\_

Find the perimeter or circumference and any unknown side measure of each figure.

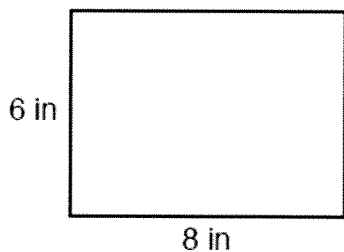
1.



2.



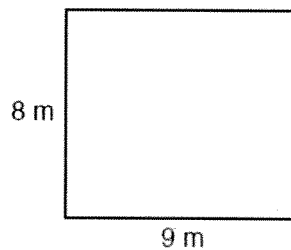
3.



$6 + 8 + 6 + 8$

Perimeter = 28 in

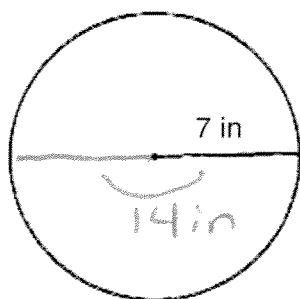
4.



$8 + 9 + 8 + 9$

Perimeter = 34 in

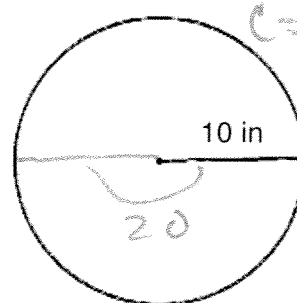
5.



$C = \pi \cdot D$   
 $C = \frac{22}{7} \cdot 14$

Circumference = 44 in<sup>2</sup>

6.

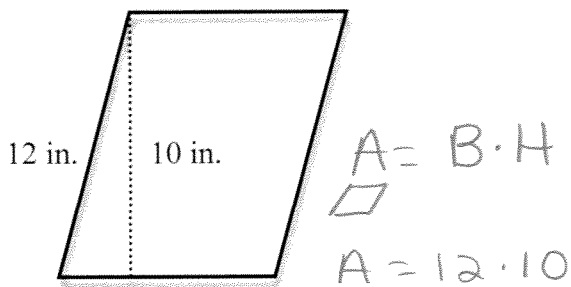


$C = \pi \cdot D$   
 $C = 3.14 \cdot 20$   
 $C = 62.80$

Circumference = 62.80 in<sup>2</sup>

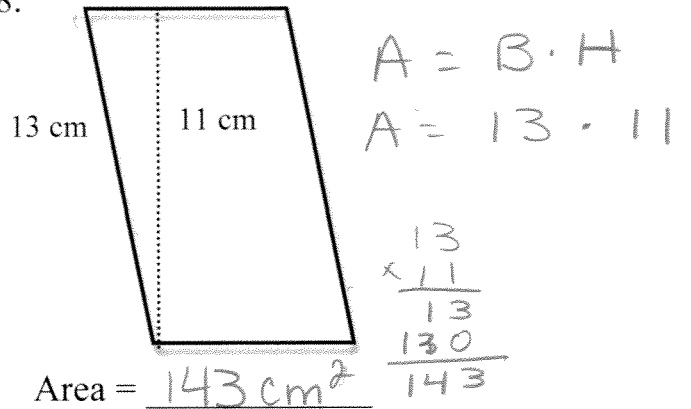
Find the area.

7.

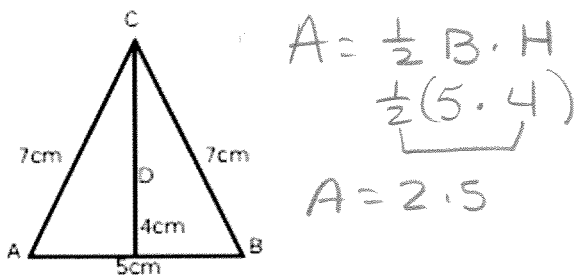


Area = 120 in<sup>2</sup>

8.

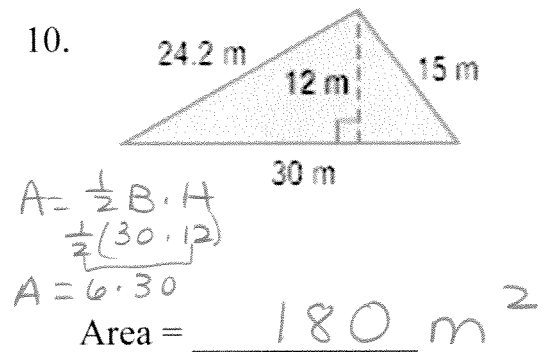


9.

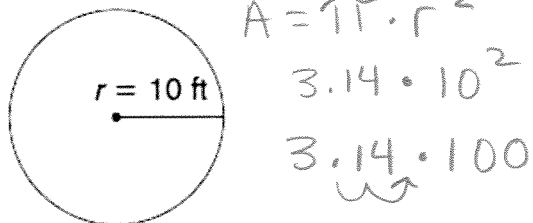


Area = 10 cm<sup>2</sup>

10.

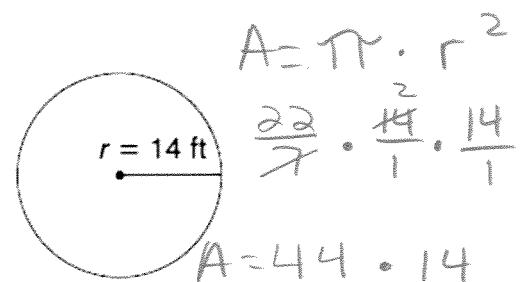


11.



Area = 314 ft<sup>2</sup>

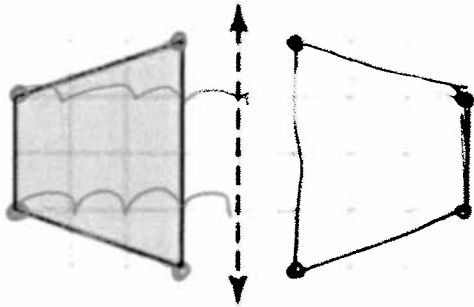
12.



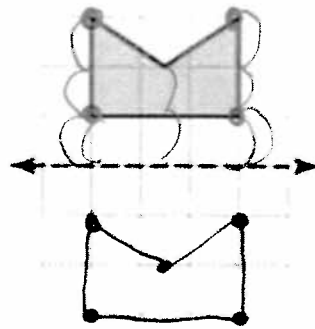
Area = 616 ft<sup>2</sup>

$$\begin{array}{r} 44 \\ \times 14 \\ \hline 176 \\ 44 \\ \hline 616 \end{array}$$

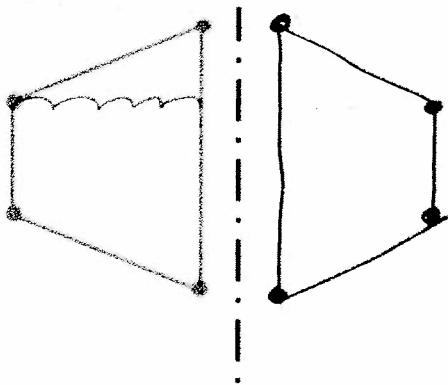
13. Draw a horizontal reflection:



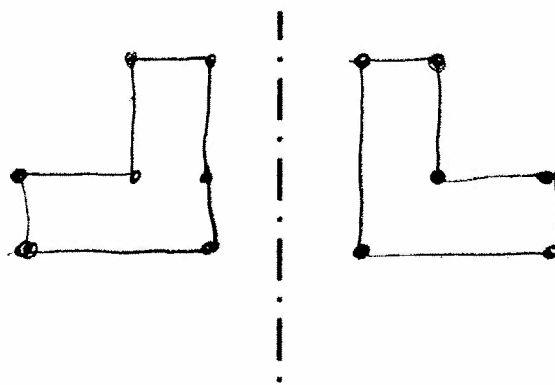
14. Draw a vertical reflection:



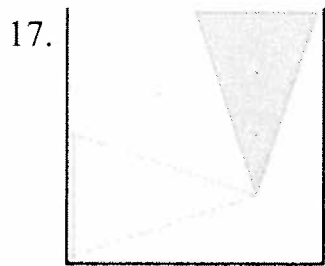
15. Draw a horizontal reflection:



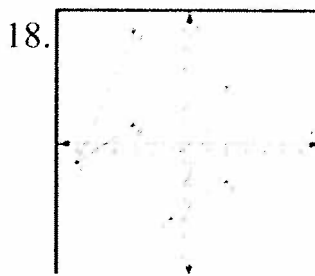
16. Choose a shape and draw a reflection.



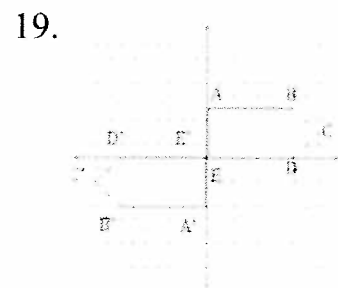
Tell whether each is a translation, rotation or reflection. Write your answer in the blank provided.



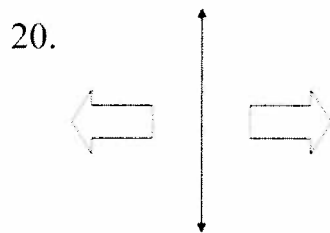
Rotation



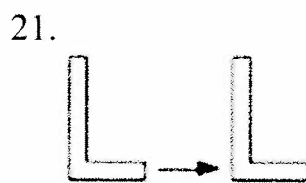
Translation



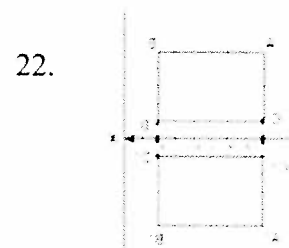
Rotation



Reflection



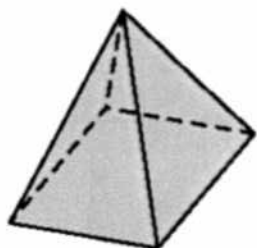
Translation



Reflection

Name each polyhedron. Then identify the number of faces (F), edges (E), and vertices (V).

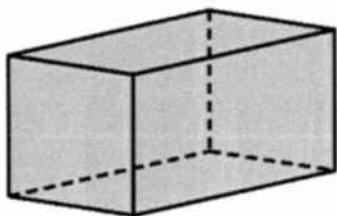
1.



Name: rectangular pyramid

F = 5 E = 8 V = 5

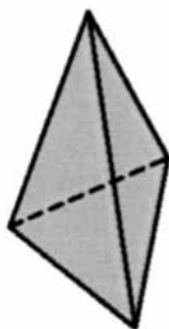
2.



Name: Square Prism

F = 6 E = 12 V = 8

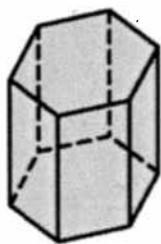
3.



Name: Triangular Pyramid

F = 4 E = 6 V = 4

4.

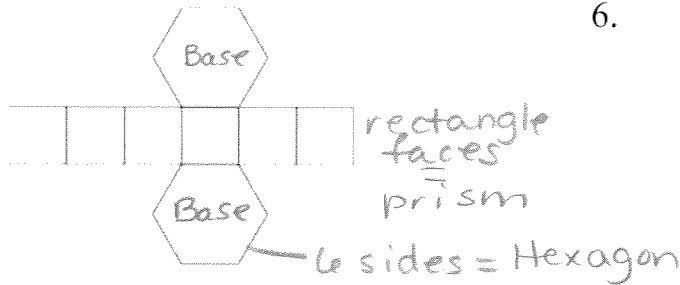


Name: Hexagonal Prism

F = 8 E = 18 V = 12

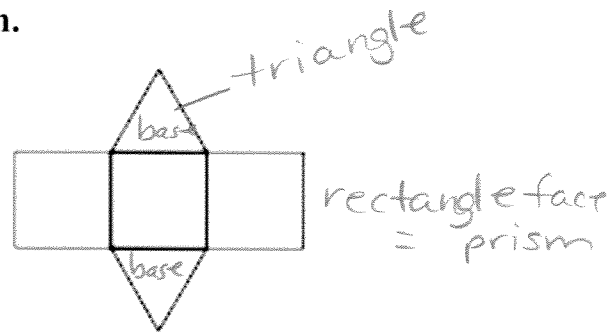
Name the solid that can be formed by the net shown.

5.



2 bases = prism

6.

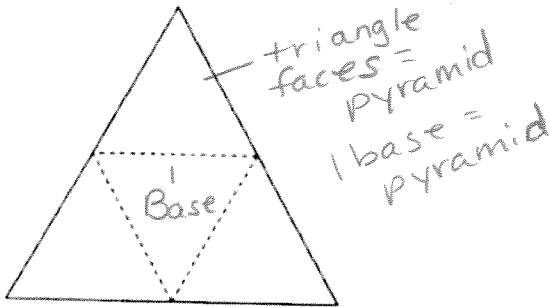


2 bases = prism

Name: Hexagonal Prism

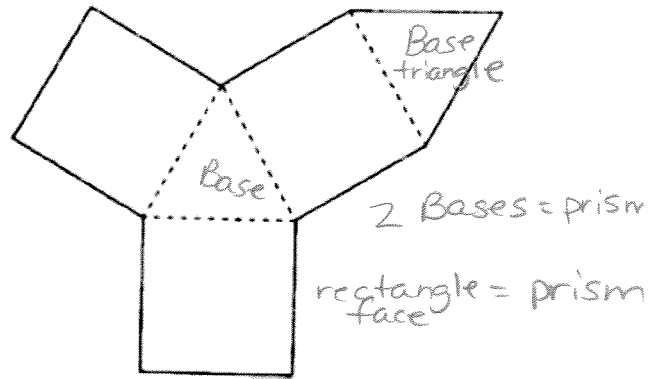
Name: triangular prism

7.



Name: Triangular Pyramid

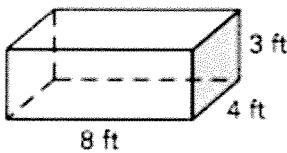
8.



Name: Triangular Prism

Find the volume of the prism.

9.



$$V = (A \cdot B) \times H$$

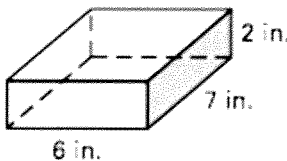
$$V = L \cdot W \times H$$

$$V = 3 \cdot 4 \cdot 8$$

$$3 \cdot 32$$

Volume = 96 ft<sup>3</sup>

10.



$$V = (A \cdot B) \times H$$

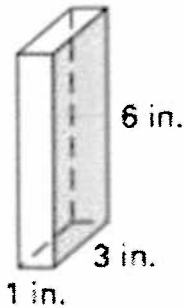
$$V = L \cdot W \times H$$

$$6 \times 7 \times 2$$

$$12 \times 7$$

Volume = 84 in<sup>3</sup>

11.



$$V = (A \cdot B) \times H$$

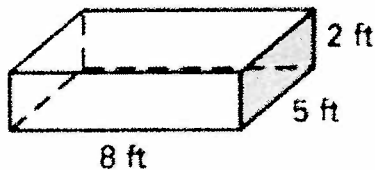
$$(L \cdot W) \times H$$

$$1 \cdot 3 \times 6$$

$$V = 3 \times 6$$

Volume = 18 in<sup>3</sup>

12.



$$V = (A \cdot B) \times H$$

$$V = L \cdot W \times H$$

$$V = 2 \cdot 5 \times 8$$

$$V = 10 \times 8$$

Volume = 80 ft<sup>3</sup>

Find the missing measurement for a rectangular prism.

13.  $V = 1200 \text{ yd}^3$ ;  $w = 20 \text{ yd}$ ;  $h = 3 \text{ yd}$

$$V = (A \cdot B) \times H$$

$$V = (L \cdot W) \times H$$

$$1,200 = L \cdot 20 \cdot 3$$

$$\frac{1,200}{60} = L \cdot \frac{60}{60} \quad 20 = L$$

length = 20 yds

14.  $V = 100 \text{ yd}^3$ ;  $w = 10 \text{ yd}$ ;  $h = 5 \text{ yd}$

$$V = (A \cdot B) \times H$$

$$V = (L \cdot W) \times H$$

$$100 = L \cdot 10 \cdot 5$$

$$\frac{100}{50} = L \cdot \frac{50}{50}$$

length = 2 yds

15.  $V = 105 \text{ mm}^3$ ;  $l = 7 \text{ mm}$ ;  $h = 3 \text{ mm}$

$$V = (A \cdot B) \times H$$

$$V = L \cdot W \times H$$

$$105 = 7 \cdot W \times 3$$

$$\frac{105}{21} = \frac{21 \cdot W}{21}$$

width = 5mm

16.  $V = 2496 \text{ ft}^3$ ;  $l = 16 \text{ ft}$ ;  $w = 12 \text{ ft}$

$$V = (A \cdot B) \times H$$

$$V = (L \cdot W) \times H$$

$$2,496 = 16 \cdot 12 \times H$$

$$\frac{2,496}{192} = \frac{192}{192} \times H$$

$$\begin{array}{r} 16 \\ \times 12 \\ \hline 32 \\ 16 \phantom{0} \\ \hline 192 \end{array}$$

height = 13 ft

$$\begin{array}{r} 13 \\ 192 \overline{) 2496} \\ \underline{-192} \phantom{0} \\ 576 \\ \underline{-576} \\ 0 \end{array}$$