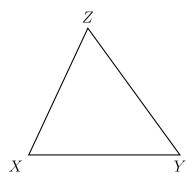
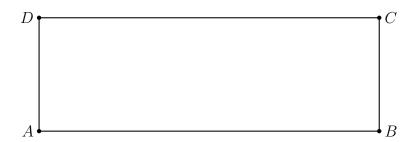
1.5 Homework: Polygons, perimeter

- 1. A polygon with three sides is called a ______.
- 2. Given isosceles $\triangle XYZ$ with $\overline{XY}\cong \overline{YZ}$. On the diagram mark the congruent line segments with tick marks.

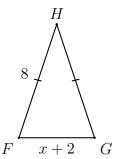


- 3. Given the rectangle ABCD shown below.
 - (a) Measure and mark the length and width of the rectangle in centimeters.
 - (b) Calculate its perimeter P. (show your work as an equation)

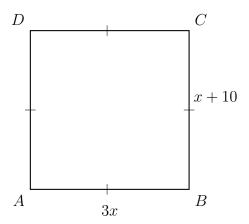


4. The perimeter of the isosceles $\triangle FGH$ is 21 with $\overline{FH} \cong \overline{GH}$, FG = x + 2, FH = 8. Fill in the blanks then solve for x.

$$P = 8 + \underline{\hspace{1cm}} + (x + 2) = \underline{\hspace{1cm}}$$



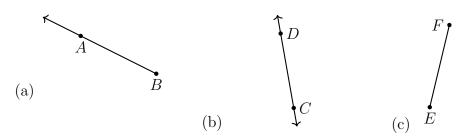
5. A square has four sides of equal length. Given ABCD with AB = 3x and BC = x + 10. Find the square's perimeter. (hint: first find x)



6. Given \overline{ABC} , AB = 3.8, and BC = 1.7. Find AC.



7. Use symbols to write the name of each geometric figure.



8. Given Q bisects \overline{PR} , with PQ = 3x - 12, QR = 2x. Find PR.

