**INDEPENDENT PROBLEM SOLVING**

**Write an equation for each problem. Then find the unknown side lengths.**

|  |  |
| --- | --- |
| 1) The regular hexagon has a perimeter of 54 units. The term “regular” means all sides are the same length. | 2) A regular pentagon has a perimeter of 120 units. |
| 3) An equilateral triangle has a perimeter of 45 inches. | 4) A square has a perimeter 240 miles. |

**Use a tape diagram and an equation to solve problems 5-8.**

|  |
| --- |
| **5)** The largest side of a triangle is 8 units larger than the smallest side. The third side is double the smallest side. If the perimeter is 29 units, what are the lengths of each side? |
| **6)** The length of a rectangle is 7 units more than the width. The perimeter of the rectangle is 114 units. Find the length and width of the rectangle. |
| **7)** The length of a rectangle is 3 units less than twice the width. The perimeter of the rectangle is 40 units. Find the length and width of the rectangle. |
| **8)** The length of a rectangle is 4 units less than twice the width. The perimeter of the rectangle is 52 units. Find the length and width of the rectangle. |