1. Find the dimensions of a pool that has an area of *24x2 + 54x.*
2. Find the perimeter of a rectangle that has an area of *3x – 27*.
3. The area of a rectangle is *g2 + 8g +12*, find the dimensions of the rectangle.
4. The area of a square is *4m2 + 20m + 25*. Find the length of each side.
5. Find the perimeter of the square in question #2.
6. The volume of a rectangular prism is *16m3 – 100m*. Find the length of all three sides. How many sides are binomials?
7. The area of a rectangle is *6w2 + w – 15*. If one of the sides is (4w – 5), what is the length of the other side?
8. The area of a rectangular book cover is *2x2 + 9x – 18*. The width of the book cover is *x–6*, what is the length of the cover?
9. Find the perimeter of a rectangle that has an area of *25x2 – 36y2.*
10. Find the dimensions of a rectangular prism with a volume of *24x3- 6x2 – 45x*.