Geometry Homework #9 – Answer Key

1) $x = \dfrac{80}{3}$

2) The area of triangle ABG = 28 and the perimeter of triangle GEC = 24

3) $y = \dfrac{225}{17}, \quad x = \dfrac{64}{17}$

4) Surface Area = 1,610   Volume = 4,620

5) Surface Area = 624   Volume = 1,008

6) 99

7) $a_n = -8 + 6n$

8) 640

9) $a_n = 42 - 15n$

10) $165

11) $a_n = 7 + 11n$

12) -104

13) $a_n = 1 + 7n$ and at 162 seconds

14) 845

15) 20,706

16) 1,708

17) $a_n = -42 + 7n$

18) 12,232

19) $229

20) $a_n = -25 + 7n$ 598