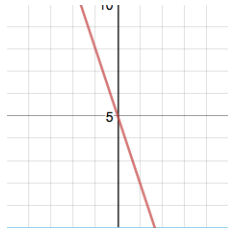


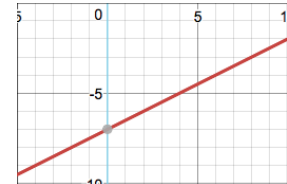
# Summer Math Answer Key Geometry Honors

1. Area = Length x Width
2. Perimeter = 2(Length) + 2(Width)
3. Area = (Side)<sup>2</sup>
4. Perimeter = 4s; s = side
5. Area = .(base)(height)
6. Perimeter = Side 1 + Side 2 + Side 3
7. Area =  $\pi r^2$
8.  $C = \pi d$  or  $C = 2\pi r$
9. Area =  $\frac{1}{2} h (b_1 + b_2)$
10. Area = (base)(height)
11.  $M = (Y_2 - Y_1) / (X_2 - X_1)$
12.  $Y = mx + b$
13.  $Y - y_1 = m(x - x_1)$
14.  $Ax + By = C$
15. A = 498.8 square miles
16. C = 50.3 yards
17. 6.1 cm
18. 10 ft.
19. A = 51.04 square meters, P = 32 m
20. A = 180 square feet, p = 73 ft
21. A = 134.56 square meters; p = 46.4 m
22. Y = 8
23. Z = -3/5
24. g = 13
25. r = 22
26. n = 4
27. x = -23/2
28. x = 29
29. c = 5/2
30. x = 10
31. y = 2/5 x - 6
32. y = -4x + 1
33. y = 8/3 x - 14
34. y = . x + 29/4
- 35 - 37. Answers are at the end of the key
38.  $e > -2$
39.  $x > -3$
40.  $n \geq 2$  or  $n < -11$
41.  $x \geq 3$  and  $x \leq 12$
42.  $p < 6$  and  $p > -6$
43.  $x > -2$  or  $x < -6$
44. (-16, -8) 45. (6, -1) 46. (-1, 3) 47. Many solutions 48. (4, -2)
49.  $(x - 6)(x + 8)$  50.  $(6x - 5)(x - 3)$

35.



36.



37.

