

Summer Packet for Students Entering  
**Geometry** (Level 1 & 2)

- ①  $x = -6$
- ②  $a = -4$
- ③  $x = -2, 7$
- ④  $b = 2, 6$
- ⑤  $a = -\frac{3}{2}, 4$
- ⑥  $y = -3, \frac{2}{3}$
- ⑦  $x = \frac{-3 \pm \sqrt{41}}{8}$
- ⑧  $x = \frac{5 \pm \sqrt{73}}{6}$
- ⑨  $6\sqrt{2}$
- ⑩  $4\sqrt{3}$
- ⑪ 14 weeks
- ⑫ 24 inches
- ⑬  $(4, -5)$
- ⑭  $(-3, 2)$
- ⑮  $(-5, 1)$
- ⑯  $(-1, -2)$
- ⑰ Waffles \$10.50, ice cream \$12.00
- ⑱ 42 shoes and 23 jean jackets
- ⑲  $x^2 + 2x - 15$
- ⑳  $6x^2 - 23x + 21$
- ㉑  $m = \frac{5}{2}$
- ㉒  $m = 5$

- ②③ Below left
- ②④ Below right

