

Summer Packet for Students Entering
Algebra 2 (Level 1 & 2)

① Distance: $2\sqrt{41}$
Midpoint: $(-2, -1)$

② Distance: 5
Midpoint: $(-\frac{5}{2}, 4)$

③ $y = \frac{1}{2}x + 4$

④ $y = -2x + 2$

⑤ $y = -\frac{1}{2}x - 1$

⑥ $y = -\frac{1}{3}x - 3$

⑦ 14 weeks

⑧ 24 inches

⑨ 5 ft by 11 ft

⑩ \$5,400

⑪ $x = -6$

⑫ $a = -4$

⑬ $x = -2, 7$

⑭ $b = 2, 6$

⑮ $a = -\frac{3}{2}, 4$

⑯ $y = -3, \frac{2}{3}$

⑰ $x = \frac{-3 \pm \sqrt{41}}{8}$

⑱ $x = \frac{5 \pm \sqrt{73}}{6}$

⑲ $6\sqrt{2}$

⑳ $4\sqrt{3}$

- ⑳ $(4, -5)$
- ㉑ $(-3, 2)$
- ㉒ $(-5, 1)$
- ㉓ $(-1, -2)$
- ㉔ Waffles \$10.50, ice cream \$12.00
- ㉕ 42 shoes and 23 jean jackets
- ㉖ $x^2 + 2x - 15$
- ㉗ $6x^2 - 23x + 21$
- ㉘ $m = \frac{5}{2}$
- ㉙ $m = 5$
- ㉚ Below left
- ㉛ Below right

