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(1) 132496

(2)  $\frac{9}{14}$

(3) -1

(4) 4

(5) 750

(6)  $4\sqrt{15}$

(7) -3

(8)  $x = -\frac{3}{11}, y = -\frac{2}{11}$

(9)  $2\sqrt{2}$

(10) 4

(11)  $\frac{4043}{2}$

二

(1)  $\sqrt{6} + \sqrt{2} + 1$

(2)  $\frac{\sqrt{3}}{3}$

(3) 895

(4) 169

(5)  $7\sqrt{5}$

(6)  $\frac{7}{4}\sqrt{3}$

(7)  $\frac{7\sqrt{91} - 3\sqrt{51}}{100}$

(8) 420

三

(1)  $a = 2, b = -1$