

Math 098, Spring 2019, Form B, Answer Key

① $\frac{1}{x^3 z^9}$

② $x = 4$

③ $m = \frac{KF}{a}$

④ $4x^2 + 20xy + 25y^2$

⑤ $x = \pm 3\sqrt{5}$

⑥ $\frac{1}{3}$

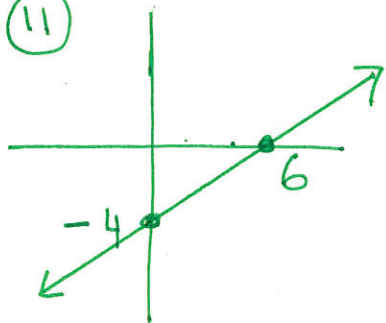
⑦ $\frac{-2 \pm \sqrt{10}}{3}$

⑧ $t = 23/3$

⑨ $-5x^4 + 1$

⑩ $x = -4/3$

⑪



⑫ $3(x-5)(x+4)$

⑬ $(3xy-7)(4x+y)$

⑭ $x = 0, 7, -4$

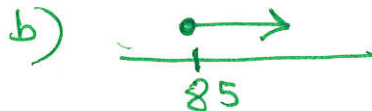
⑮ $x = -4$

⑯ $(1, -4)$

⑰ $\frac{-1(x+2)}{4(x+5)} \stackrel{\text{OR}}{=} \frac{-x-2}{4(x+5)}$

⑱ $-\sqrt{7}$

19a) $x \geq 85$



⑳ $-8 < 8$

㉑ $x = 5$

㉒ 49

㉓ $A + C = 500$

$7A + 3.50C = 2450$

㉔ 1.72 and -0.39

㉕ 1.312×10^{10}

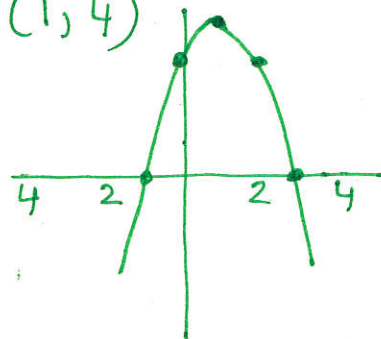
㉖ $D^{3/8}$

㉗ a) $(-1, 0)$ and $(3, 0)$

b) $(0, 3)$

c) $(1, 4)$

d)



28a) $y = 15x + 30$

b) $\frac{\$15}{\text{week}}$

c) Every week Tristan's savings increases by \$15.

d) 21 weeks