Background is gray. Paper has lines.
Not using the discriminant before plugging into the quadratic formula. Bad sign when annotating with white text is possible!

7.5/50

$3.62x^2 = 9.71x + 15.68$

94.28 - 227.04

D = -132.76 2 real soln

$3.62x^2 - 9.71x - 15.68 = 0$

$a = 3.62 \quad b = 9.71 \quad c = 15.68$

$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$

$x = \frac{-9.71 \pm \sqrt{9.71^2 - 4(3.62)(15.68)}}{2(9.71)}$

$\frac{-9.71 \pm \sqrt{94.28 - 227.04}}{7.24}$

$x \approx -1.1348, 3.8171$

$\frac{-9.71 \pm 4.19}{7.24}$

$\frac{5.58}{7.24}$

$x = 0.77 \quad x = -1.911$

25

25

$2x^2 - 6x + 7 = 0$

$a = 2 \quad b = -6 \quad c = 7$

This is #3

$D = -6^2 - 4(2)(7)$

$-36 = 36 = 72$ no real solo

$2x^2 - 6x + 7 = 0$

$a \quad b \quad c$

$$\frac{-6 \pm \sqrt{6^2 - 4(2)(7)}}{2(2)}$$

$$\frac{-6 \pm \sqrt{36 - 56}}{4}$$

$(4)(2)(7) = 56$

$$x = \frac{-6 \pm 0}{4}$$

2

$x^2 - 7x - 18 = 0$

$a=1 \quad b=7 \quad c=18$ → $c=-18$

$D = b^2 - 4ac$

$D = 7^2 - 4(1)(18)$

$49 - 76 = -27$

1.5

2 Imag. Sols

→ Nonreal. Find them.

$x^2 - 7x - 18 = 0$ This is #1

$a=1 \quad b=-7 \quad c=-18$

$$x = \frac{-(-7) \pm \sqrt{(-7)^2 - 4(1)(-18)}}{2(1)}$$

$$x = \frac{7 \pm \sqrt{49 - 4 \times (-18)}}{2}$$

$$x = \frac{7 \pm \sqrt{49 + 72}}{2}$$

$$x = \frac{7 \pm \sqrt{121}}{2}$$

Disagrees w/ your previous work. You seem obliv. this

$$\frac{7 \pm 11}{2}$$

$x_1 = 9, \quad x_2 = -2.$

3