9. $x^2 - 7x - 2 = 0$

② $x^2 - 7x = 2$

$\left(-7 \cdot \frac{1}{2}\right)^2$

$\left(\frac{-7}{2}\right)^2$

$\frac{49}{4}$

③ $x^2 - 7x + \frac{49}{4} = 2 + \frac{49}{4}$

$x^2 - 7x + \frac{49}{4} = \frac{57}{4}$

④ $\left(x - \frac{7}{2}\right)^2 = \frac{57}{4}$

⑤ $x - \frac{7}{2} = \pm\sqrt{\frac{57}{4}}$

$x - \frac{7}{2} = \pm\frac{\sqrt{57}}{\sqrt{4}}$

$x - \frac{7}{2} = \pm\frac{\sqrt{57}}{2}$

$x = \frac{7}{2} \pm \frac{\sqrt{57}}{2}$

$x = \frac{7 \pm \sqrt{57}}{2}$

10. $7x^2 - 3x - 2 = 0$

14
14
56
140

① $\frac{7}{7}x^2 - \frac{3}{7}x - \frac{2}{7} = \frac{0}{7}$

$x^2 - \frac{3}{7}x - \frac{2}{7} = 0$

② $x^2 - \frac{3}{7}x = \frac{2}{7}$

$\left(\frac{-3}{7} \cdot \frac{1}{2}\right)^2$

$\left(\frac{-3}{14}\right)^2$

$\frac{9}{196}$

③ $x^2 - \frac{3}{7}x + \frac{9}{196} = \frac{2}{7} + \frac{9}{196}$

$x^2 - \frac{3}{7}x + \frac{9}{196} = \frac{28}{196} + \frac{9}{196}$

$x^2 - \frac{3}{7}x + \frac{9}{196} = \frac{56}{196} + \frac{9}{196}$

$x^2 - \frac{3}{7}x + \frac{9}{196} = \frac{65}{196}$

④ $\left(x - \frac{3}{14}\right)^2 = \frac{65}{196}$

⑤ $x - \frac{3}{14} = \pm\sqrt{\frac{65}{196}}$

$x - \frac{3}{14} = \pm\frac{\sqrt{65}}{\sqrt{196}}$

$x - \frac{3}{14} = \pm\frac{\sqrt{65}}{14}$

$x = \frac{3}{14} \pm \frac{\sqrt{65}}{14}$

$x = \frac{3 \pm \sqrt{65}}{14}$