Solve by Factoring:

① $(7n-1)(n-8)=0$

$7n-1=0$ $\quad n-8=0$ $\quad 5\cdot 0=0$

$+1\ +1$ $\quad +8\ +8$ $\quad 0\cdot 7=0$

$\frac{7n}{7}=\frac{1}{7}$ $\quad n=8$ $\quad 11\cdot 0=0$

$n=1/7$

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③ $(4x+7)(x-8)=0$

$4x+7=0$ $\quad x-8=0$

$-7\ -7$ $\quad +8\ +8$

$\frac{4x}{4}=\frac{-7}{4}$ $\quad x=8$

$x=-7/4$

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⑦ $(n+2)^2=0$

$(n+2)(n+2)=0$

$n+2=0$ $\quad n+2=0$

$n=-2$

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⑮ $p(p-5)=0$

$p=0$ $\quad p-5=0$

$p=5$

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⑰ $\overset{F}{a^2}+9a+\overset{L}{14}=0$

$(a+7)(a+2)=0$

$a+7=0$ $\quad a+2=0$

$a=-7$ $\quad a=-2$

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⑲ $x^2-6x+8=0$

Factor $(x-4)(x-2)=0$

Factors = 0 $\quad x-4=0$ $\quad x-2=0$

solve $\quad x=4$ $\quad x=2$

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35) $2r^2 - 7r + 6 = 0$ (4, 1, 2)

$(2r - 3)(r - 2) = 0$ (3, 4)

$2r - 3 = 0$ $+3 \quad +3$

$\frac{2r}{2} = \frac{3}{2}$

$r = 3/2$

$r - 2 = 0$ $+2 \quad +2$

$r = 2$

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23) $p^2 + 6p = 0$

$p(p + 6) = 0$

$p = 0$

$p + 6 = 0$ $-6 \quad -6$

$p = -6$

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