

p87

⑧ $10n^2 - 26n + 12$
 $2(5n^2 - 13n + 6)$

$5n^2 \cdot 6$
 $+ 30n^2$
 $1 \cdot 30$
 $2 \cdot 15$
 $* 3 \cdot 10$

$5n^2$	$-3n$	n
$-10n$	6	-2

$5n - 3$
 $(5n - 3)(n - 2)$

⑱ $16r^2 + 18r + 5 = 0$

$5 \cdot 16r^2$
 $80r$
 $2 \cdot 40$
 $4 \cdot 20$
 $5 \cdot 16$
 $8 \cdot 10$

$16r^2$	$10r$	$2r$
$8r$	5	1

$8r \quad 5$

$(2r + 1)(8r + 5) = 0$

$2r + 1 = 0$
 $\frac{-1 \quad -1}{\quad}$

$2r = -1$
 $r = -\frac{1}{2}$

$8r + 5 = 0$
 $\frac{-5 \quad -5}{\quad}$

$8r = -5$
 $r = -\frac{5}{8}$

⑲ $f(x) = -3x^2 - 14x + 24$
 $= -1(3x^2 + 14x - 24)$

$3x^2 \cdot -24$
 $72x^2$
 $6 \cdot 12$
 $8 \cdot 9$
 $* 4 \cdot 18$

$3x^2$	$18x$	$3x$
$-4x$	-24	-4

$x \quad 6$

$x = \left\{ -6, \frac{4}{3} \right\}$

$f(x) = -1(x + 6)(3x - 4)$

$x + 6 = 0$
 $\frac{-6 \quad -6}{\quad}$
 $x = -6$

$3x - 4 = 0$
 $3x = 4$
 $x = \frac{4}{3}$