

الف) $(n^2 - 6n + 9) \div (n - 3) = (n - 3)^2$
 $n^2 - 6n + 9 \div n - 3 \rightarrow n - 3$

ب) $(n^2 + 14n + 49) \div (n + 7) = (n + 7)^2$
 $n^2 + 14n + 49 \div n + 7 \rightarrow n + 7$

الف) $(n^2 - 5n + 6) \div (n - 2)(n - 3) = (n - 2)(n - 3)$
 $n^2 - 5n + 6 \div n - 2 \rightarrow n - 3$

ب) $(n^2 - 5n - 14) \div (n - 7)(n + 2) = (n - 7)(n + 2)$
 $n^2 - 5n - 14 \div n - 7 \rightarrow n + 2$

الف) $n^2 - 3n - 4 = 0$
 $n = \frac{3 \pm \sqrt{9 + 16}}{2} = \frac{3 \pm 5}{2}$
 $n = 4$ or $n = -1$

ب) $2n^2 - 13n + 11 = 0$
 $n = \frac{13 \pm \sqrt{169 - 88}}{4} = \frac{13 \pm 9}{4}$
 $n = 5$ or $n = \frac{2}{1}$

الف) $(n^2 - 3n + 2) \div (n - 1)(n - 2) = (n - 1)(n - 2)$
 $n^2 - 3n + 2 \div n - 1 \rightarrow n - 2$

ب) $(n^2 - 3n) \div (n - 3) = n$
 $n^2 - 3n \div n - 3 \rightarrow n$

الف) $(n^2 - 12n + 35) \div (n - 5)(n - 7) = (n - 5)(n - 7)$
 $n^2 - 12n + 35 \div n - 5 \rightarrow n - 7$

ب) $(n^2 - 11n + 28) \div (n - 4)(n - 7) = (n - 4)(n - 7)$
 $n^2 - 11n + 28 \div n - 4 \rightarrow n - 7$

$-5 + \sqrt{25 - 12}$ $\frac{-5 + \sqrt{13}}{-6}$ $\frac{-5 - \sqrt{13}}{-6}$	$2n^2 - n + 250$ $1 + \frac{\sqrt{1-16}}{4}$ $1 + \frac{\sqrt{-15}}{4}$ $1 - \frac{\sqrt{-15}}{4}$	$2n^2 - 4n + 250$ $4 + \frac{\sqrt{16-16}}{4}$ $\frac{4 + \sqrt{0}}{4}$ $\frac{4 - \sqrt{0}}{4}$	$2n^2 - n + 10$ $1 + \frac{\sqrt{1-1}}{4}$ $1 + \frac{\sqrt{-7}}{4}$ $1 + \frac{\sqrt{-7}}{4}$	6
$2n^2 - 3n + 250$ $2 - 3 + 250$ 250	$2n^2 - 3n + 250$ $2 - 3 + 250$ 250	$2n^2 - 3n + 250$ $2 - 3 + 250$ 250	$2n^2 - 3n + 250$ $2 - 3 + 250$ 250	7
$y = 2n^2 + 9n + 8$ $9 - 18 + 8 = -1$	$y = 2n^2 + 9n + 8$ $9 - 18 + 8 = -1$	$y = 2n^2 + 9n + 8$ $9 - 18 + 8 = -1$	$y = 2n^2 + 9n + 8$ $9 - 18 + 8 = -1$	8
$y = 2n^2 + 9n + 8$ $9 - 18 + 8 = -1$	$y = 2n^2 + 9n + 8$ $9 - 18 + 8 = -1$	$y = 2n^2 + 9n + 8$ $9 - 18 + 8 = -1$	$y = 2n^2 + 9n + 8$ $9 - 18 + 8 = -1$	9
$n^2 - 3n - 250$ $P, \alpha \times \beta = \frac{c}{a} = \frac{-2}{1} = -2$	$n^2 - 3n - 250$ $P, \alpha \times \beta = \frac{c}{a} = \frac{-2}{1} = -2$	$n^2 - 3n - 250$ $P, \alpha \times \beta = \frac{c}{a} = \frac{-2}{1} = -2$	$n^2 - 3n - 250$ $P, \alpha \times \beta = \frac{c}{a} = \frac{-2}{1} = -2$	10