56 小問集合.

(1) 因数分解せよ.

(a)
$$x^2 + 3xy - 2x + 2y^2 - y - 3$$

(b)
$$(x^2 + 5x)^2 + 10(x^2 + 5x) + 24$$

(a)
$$qc^2 + (34-2)9c + 24^2 - 4-3$$

= $9c^2 + (34-2)9c + (24-3)(4+1)$
= $(9c + (24-1))(9c + (4+1))$
= $(9c + 24-1)(9c + 4+1)$

(a)
$$(x+y)^2(x-y)^2$$

(b)
$$(x+y-1)(x+2y-1)$$

(a)
$$((x+7)(x-4))^2$$

= $(x^2-4^2)^2$
= $(x^4-2x^24^2+4^4)^2$

(a)
$$|x+2|=3$$

(b)
$$|2x-3| < 5$$

(a)
$$|x+2|=3$$

 $x+2=\pm 3$
 $x=-2\pm 3$
 $x=-2\pm 3$

(b)
$$9c^2 + 59c = M \times 36c \times M^2 + (0M + 24)$$

$$= (M+6)(M+4)$$

$$= (9c^2 + 59c + 6)(9c^2 + 59c + 4)$$

$$= (9c^2 + 59c + 6)(9c^2 + 59c + 4)$$

(h)
$$\chi - 1 = 14 \, \text{Ga/c}$$
.
 $(M+7)(M+27)$
 $= (\chi - 1)^2 + 37(\chi - 1) + 27^2$
 $= \chi^2 - 29\zeta + [+3\chi 7 - 37 + 27^2]$

$$|(h)| |(2\pi - 3)| < 5$$

$$-5 < 2\pi - 3 < 5$$

$$-2 < 2\pi < 8$$

$$-1 < 90 < 4$$

