

## លំហាត់អនុវត្ត

1. ពន្លាតកន្សោមខាងក្រោម ដោយប្រើសមភាព  $(a+b)^2 = a^2 + 2ab + b^2$ ,  $(a-b)^2 = a^2 - 2ab + b^2$ ,

$(a+b)(a-b) = a^2 - b^2$  ចូរបំពេញចន្លោះខាងក្រោម៖

- a.  $(x+3)^2 = x^2 + 2 \times \dots \times 3 + 3^2 = x^2 + 6\dots + 9$
- b.  $(2x+3)^2 = \dots x^2 + 2 \times 2x \times \dots + 3^2 = \dots x^2 + \dots x + 9$
- c.  $\left(x + \frac{1}{4}\right)^2 = x^2 + 2 \times x \times \dots + \dots^2 = x^2 + \dots x + \dots$
- d.  $(x-4)^2 = x^2 - 2 \times \dots \times 4 + 4^2 = x^2 - \dots + \dots$
- e.  $\left(2x - \frac{3}{4}\right)^2 = \dots x^2 - 2 \times 2x \times \dots + \dots^2 = 4x^2 - \dots x + \dots$
- f.  $(x-2)(x+2) = x^2 - \dots^2 = x^2 - \dots$
- g.  $(3x-2)(3x+2) = \dots x^2 - \dots^2 = \dots - \dots$
- h.  $\left(\frac{2}{3}x - 2y\right)\left(\frac{2}{3}x + 2y\right) = (\dots)^2 x^2 - (\dots)^2 = \dots x^2 - \dots y^2$

2. ពន្លាតកន្សោមខាងក្រោម

- |                    |                    |                    |                  |
|--------------------|--------------------|--------------------|------------------|
| a). $(c+d)^2$      | b). $(r+s)^2$      | c). $(m+n)^2$      | d). $(a+3)^2$    |
| e). $(x+5)^2$      | f). $(x+11)^2$     | g). $(4x+3)^2$     | h). $(5+3x)^2$   |
| i). $(6-x)^2$      | j). $(3-5x)^2$     | k). $(x^2-x)^2$    | l). $(x-2x^2)^2$ |
| m). $(3x-2)(3x+2)$ | n). $(4x+3)(4x-3)$ | o). $(1-2y)(1+2y)$ |                  |

3. ចូរពន្លាតកន្សោមខាងក្រោម

- |                         |                             |                                       |  |
|-------------------------|-----------------------------|---------------------------------------|--|
| ក. $(x+5)^3$            | ខ. $(x+3y)^3$               | គ. $(2x+5y)^3$                        | ឃ. $\left(\frac{1}{2}x^2 + y\right)^3$ |
| • $(x-5)^3$             | • $(2x-3y)^3$               | • $\left(\frac{1}{2}x^2 - y\right)^3$ | • $ab - 3cd)^3$                        |
| • $(x-3)(x^2 + 3x + 9)$ | • $(2x-1)(4x^2 + 2x + 1)$   |                                       |  |
| • $(x+2)(x^2 - 2x + 4)$ | • $(3x+5)(9x^2 - 15x + 25)$ |                                       |  |