



**Strathmore
Secondary College**

400 Pascoe Vale Road
Strathmore VIC 3041
Phone: 03 9379 7999
Fax: 03 9379 2812

Year 8 Maths Homework Sheet No. 14

Show ALL working.

To be completed on loose-leaf paper.

Due date: _____

- 1** Underline any of the following terms which are like terms to $3cd$.

$3c, cd, 5d, -5cd, 2cd^2, 3dc$

- 2** Simplify $10a - 9a$.

- 3** Simplify $7h + 4k - 3h + 2k$.

- 4** Simplify $12 + 4x + 5y + 2xy - 2x + xy - 10 + 2y$.

- 5** In Tran's wallet there are five silver coins and four gold coins. Kelly has eight silver coins and two gold coins. They decide to put their coins together to buy some lunch. If s is the value of the silver coin and g is the value of the gold coin, write an expression for the value of all the coins together.

- 6** Simplify $4 \times 3e$.

- 7** Simplify $4e + 2e$.

- 8** Simplify $\frac{24g}{8}$.

- 9** Simplify $-2 \times 2f \times 3g$.

- 10** Simplify $\frac{12mn}{3n}$.

- 11** Expand $5(b - 6)$.

- 12** Expand $3(5a - 4)$.

- 13** Factorise this expression by taking out the highest common factor.

$6e - 14$

- 14** Factorise this expression by taking out the highest common factor.

$15e - 25ef$