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| Highest Common Factor of Algebraic Expressions |

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| The **highest common factor** (**HCF**) of algebraic expressions is obtained in a similar way to the method used for numbers.  Example 23  http://www.mathsteacher.com.au/year8/ch04_algebra/13_hcfofalg/Image12931.gif  *Solution:*  **http://www.mathsteacher.com.au/year8/ch04_algebra/13_hcfofalg/Image12932.gif**  **http://www.mathsteacher.com.au/year8/ch04_algebra/13_hcfofalg/Image12933.gif**  **http://www.mathsteacher.com.au/year8/ch04_algebra/13_hcfofalg/Image12934.gif**  **http://www.mathsteacher.com.au/year8/ch04_algebra/13_hcfofalg/Image12935.gif**  **http://www.mathsteacher.com.au/year8/ch04_algebra/13_hcfofalg/Image12936.gif**  Example 24  Find the highest common factor of  http://www.mathsteacher.com.au/year8/ch04_algebra/13_hcfofalg/Image12938.gif  *Solution:*  http://www.mathsteacher.com.au/year8/ch04_algebra/13_hcfofalg/Image12939.gif  http://www.mathsteacher.com.au/year8/ch04_algebra/13_hcfofalg/Image12940.gif |