

Factorising expressions I

This task is about factorising algebraic expressions.

a) $x^2 + 9x + 18$ can be factorised to

- | | | | |
|--|--|--|--|
| ☐ $(x + 9)(x + 2)$ | ☐ $(x - 6)(x + 3)$ | ☐ $(x + 6)(x + 3)$ | ☐ $(x - 6)(x - 3)$ |
|--|--|--|--|

b) $x^2 + 5x + 4$ can be factorised to

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|--|--|--|--|
| ☐ $(x + 5)(x + 1)$ | ☐ $(x + 4)(x + 1)$ | ☐ $(x + 5)(x - 1)$ | ☐ $(x + 4)(x - 1)$ |
|--|--|--|--|

c) $x^2 + x - 12$ can be factorised to

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|--|--|--|--|
| ☐ $(x - 4)(x + 3)$ | ☐ $(x + 6)(x - 2)$ | ☐ $(x + 4)(x - 3)$ | ☐ $(x - 6)(x - 2)$ |
|--|--|--|--|

d) $x^2 - 9x + 20$ can be factorised to

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|--|---|--|---|
| ☐ $(x - 4)(x - 5)$ | ☐ $(x - 10)(x - 2)$ | ☐ $(x - 5)(x + 4)$ | ☐ $(x - 10)(x + 2)$ |
|--|---|--|---|

e) $x^2 - 10x + 21$ can be factorised to

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|--|--|--|--|
| ☐ $(x + 7)(x - 3)$ | ☐ $(x - 7)(x + 3)$ | ☐ $(x + 7)(x + 3)$ | ☐ $(x - 7)(x - 3)$ |
|--|--|--|--|

f) $x^2 - 2x - 24$ can be factorised to

- | | | | |
|--|--|--|--|
| ☐ $(x + 4)(x - 6)$ | ☐ $(x - 4)(x + 6)$ | ☐ $(x - 6)(x - 4)$ | ☐ $(x + 4)(x + 6)$ |
|--|--|--|--|

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