

New Maths GCSE: A4 - Factorising into a Single Bracket



Name:.....

Date:.....

Factorise $5x - 15$

a: $5(x - 5)$

b: $x(5 - 3)$

c: $5(x + 3)$

d: $5(x - 3)$

Correct Answer: A B C D

Explanation:

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Factorise $g^2 + 3g$

a: $g(g + 3)$

b: $3g(g + 1)$

c: $g(2g + 3)$

d: $g(g + 3g)$

Correct Answer: A B C D

Explanation:

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Factorise fully $6p^2 + 18p$

a: $p(6p + 3)$

b: $p(p + 18)$

c: $3p(2p + 6)$

d: $6p(p + 3)$

Correct Answer: A B C D

Explanation:

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Factorise $5a + 10b - 5c$

a: $5(a + 2b + c)$

b: $5(a + 5b - c)$

c: $5(a + 2b - c)$

d: $5(a + b + c)$

Correct Answer: A B C D

Explanation:

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Factorise

$5a + 10$

A $a(5 - 10)$

B $5a(+10)$

C $(5a + 10)$

D $5(a + 2)$

Correct Answer: A B C D

Explanation:

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Factorise

$2x + 6$

A $2(x + 6)$

B $2(x + 3)$

C $2(x - 3)$

D $x(2 + 6)$

Correct Answer: A B C D

Explanation:

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Factorise

$f^2 + 6f$

A $f(f + 6)$

B $6(f^2 + f)$

C $f^2(f + 6)$

D $(f^2 + 6f)$

Correct Answer: A B C D

Explanation:

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Factorise fully

$$5p^2 + 20p$$

A $5p(p + 4)$	B $5p(p - 4)$
C $p(5p + 20)$	D $5(p^2 + 4p)$

Correct Answer: A B C D

Explanation:

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Factorise

$$6a^2 + 9a$$

A
 $3a(2a+3)$

B
 $a(6a+9)$

C
 $3(2a^2+3)$

D
 $15a^2$

Correct Answer: A B C D

Explanation:

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Fully Factorise:

$$4x + 12$$

a) $4(x + 3)$

b) $4(x + 12)$

c) $2x + 6$

d) $2(2x+6)$

Correct Answer: A B C D

Explanation:

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Factorise $3m - 9m^2$

a) $m(3 - 9m)$

b) $m(3 - 9m^2)$

c) $3m(1 - 3m)$

d) $3m(0 - 3m)$

Correct Answer: A B C D

Explanation:

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$$4(2x + 10y)$$

Which expression is equivalent to the one shown?

- A. $8(x + 5y)$
- B. $8x + 10y$
- C. $8(x + 10y)$
- D. $8x + 14y$

Correct Answer: A B C D

Explanation:

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