

AQA, OCR, Edexcel

GCSE

GCSE Maths

Factorising Questions

Name:

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Mathsmadeeasy.co.uk

Total Marks: /32

Factorising

1. Factorise the following expressions:

a. $6x + 4$

b. $6x + 12$

c. $3x - 15$

d. $9x - 18$

e. $7x - 28$

f. $10x + 8$

g. $7x - 56$

h. $20x + 15$

(8 marks)

2. Factorise the following expressions:

a. $6x^2 + 4x$

b. $6x^2 + 18x$

c. $6x^2 + 10x$

d. $6x^2 + 14x$

e. $16x^2 - 12x$

f. $12x^2 + 6x$

g. $12x^2 - 21x$

h. $21x^2 - 35x$

(8 marks)

3. Factorise the following expressions:

a. $4a^2 - 9b^2$

b. $16x^2 - 25y^2$

c. $5x^2 - 125y^2$

d. $6x^2 - 54y^2$

e. $x^2 - 6$

(10 Marks)

Visit <http://www.mathsmadeeasy.co.uk/> for more fantastic resources.

4. Simplify the following quotients:

a. $\frac{x^2-49}{x+7}$

b. $\frac{x^2-36}{x-6}$

c. $\frac{x^2+9x+20}{x+4}$

(6 Marks)