Factorising into a Single Bracket

1

Fill in the bracket.

$15 - 35y = -5(\quad)$

Answer _____

2

Factorise $\frac{3}{4}m - \frac{9}{8}$ so that the bracket has whole numbers only.

Answer _____

3

Factorise fully.

$15\pi r^2 - 6\pi rl$

Answer _____

4

Simplify, then factorise fully.

$4(5x - 3) - 2(4x - 9)$

Answer _____

5

Factorise fully.

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

Answer _____

6

Factorise fully.

$4p(q - 3) + 5(3 - q)$

Answer _____

7

Show that $5^{21} + 5^{20} + 5^{19}$ is a multiple of 31.

Shown _____

8

Factorise fully.

$6(x + 2)^3 - 9(x + 2)^2$

Answer _____