

NAME:

Q1: The GCF of

ID:

$2x^3y^4z^5$, $8x^5y^7z^2$ and $16x^5y^5z$ is

SEC:

- a) $2x^3y^4z$
- b) $4x^3y^2z^4$
- c) $12x^4y^2z^4$
- d) $4x^2y^3z$

Q2: Factorize $4x^3 + 16x^2$

- a) $4x^2(x^4 + 6)$
- b) $2(x^4 + 16)$
- c) $4(x^2 + 4)$
- d) $4x^2(x + 4)$

Q3: Factorize the quadratic polynomial: $x^2 - x - 12$

- a) $(x + 3)(x - 4)$
- b) $(x - 2)(x + 6)$
- c) $(x + 1)(x + 12)$
- d) $(x - 3)(x - 4)$

Q4: $4x^2 - 49 =$

a) $7(x + 4)$

b) $(2x - 7)(2x + 7)$

c) $3(x - 7)$

d) $(2x - 7)(2x - 7)$