

Student Name: _____

Score: _____

Factorize

Problems

Work Space

$$64a^2b^3 - 16b^2a^3$$

Answer:

$$-7a^4b^2 - 14a^2b + 21a^3b^3$$

Answer:

$$3x^3 + 9xy - 4pq^2 - 2p^2q$$

Answer:

$$7p^3r - 5t^3s - 21p^2r - 10s^3t^3$$

Answer:

$$144x^2 - 108y^2 - 60z^2$$

Answer:

$$g^3h^2 - g^2h - gh^2 - g^2h^2 - gh$$

Answer:

Student Name: _____

Score: _____

Answers

| | |
|--|--|
| $64a^2b^3 - 16b^2a^3$ | |
| Answer: $16a^2b^2(4b - a)$ | |
| $-7a^4b^2 - 14a^2b + 21a^3b^3$ | |
| Answer: $-7a^2b(a^2b + 2 - 3ab^2)$ | |
| $3x^3 + 9xy - 4pq^2 - 2p^2q$ | |
| Answer: $3x(x^2 + 3y) - 2pq(2q + p)$ | |
| $7p^3r - 5t^3s - 21p^2r - 10s^3t^3$ | |
| Answer: $7p^2r(p - 3) - 5t^3s(1 + 2s^2)$ | |
| $144x^2 - 108y^2 - 60z^2$ | |
| Answer: $12(12x^2 - 9y^2 - 5z^2)$ | |
| $g^3h^2 - g^2h - gh^2 - g^2h^2 - gh$ | |
| Answer: $gh(g^2h - g - h - gh - 1)$ | |