

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:	

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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: $gh(g^2h - g - h - gh - 1)$	