

Student Name: _____

Score: _____

Find the G.C.F of Polynomials

Problems

Work Space

$9x^3y^2z(y^2 - 25)$ and $36xy^2z(x - 5)$ G.C.F = _____	
$x^3 - 27$ and $x^2 + 3x + 9$ G.C.F = _____	
$x^2 - 4$ and $(x^3 - 8)$ G.C.F = _____	
$x^3 + 4x^2 - 21x$ and $x^2 + 14x + 49$ G.C.F = _____	
$x^3y - 125y$ and $x^3 - 25x$ G.C.F = _____	

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Answers

$9x^3y^2z(y^2 - 25)$ and $36xy^2z(x - 5)$ G.C.F = $9xy^2z$	
$x^3 - 27$ and $x^2 + 3x + 9$ G.C.F = $x^2 + 3x + 9$	
$x^2 - 4$ and $(x^3 - 8)$ G.C.F = $(x - 2)$	
$x^3 + 4x^2 - 21x$ and $x^2 + 14x + 49$ G.C.F = $(x + 7)$	
$x^3y - 125y$ and $x^3 - 25x$ G.C.F = $(x - 5)$	