

Factor each completely.

1. $4g^2 - 25gh - 21h^2$

2. $588b^5 - 363b^3$

3. $120p^4 + 72p^3 - 750p^2 - 450p$

Bellwork Alg 2
Factor each completely.

1. $4g^2 - 25gh - 21h^2$

(1.) NO GCF

(2.)

	-84
-28	+3
	-25

(3.)

	g	$-7h$
$4g$	$4g^2$	$-28gh$
$+3h$	$+3gh$	$-21h^2$

$(g - 7h)(4g + 3h)$

Tuesday, September 18-2018

ANSWERS

2. $588b^5 - 363b^3$

(1.) GCF = $3b^3$

$3b^3(196b^2 - 121)$

difference
of
perfect
squares

(2.)

$3b^3(14b \pm 11)$

3. $120p^4 + 72p^3 - 750p^2 - 450p$

(1.) GCF = $6p$

$6p(20p^3 + 12p^2 - 125p - 75)$

(2.)

	$5p$	$+3$
$4p^2$	$20p^3$	$+12p^2$
-25	$-125p$	-75

$6p(5p + 3)(4p^2 - 25)$

difference
of perfect
squares

(3.)

$6p(5p + 3)(2p \pm 5)$