

Name:  
Date:  
Period:

6<sup>th</sup> Grade Honors Math  
Unit 10 Practice Test

Simplify the following expressions.

$3 + (-7)$	$(-9) + (-12)$
$(-5) + 100$	$(-1.5) + 2$
$-19 - 20$	$12 - 90$
$54 - 9$	$3 - (-5)$
$-10 - (-34)$	$-20 - (-43)$
$-\frac{2}{3} + -\frac{3}{4}$	$\frac{1}{4} - \frac{3}{5}$
$12x + 6x - 24x$	$17y + 9x - 12x + (-4y)$
$4m^2 + 6m - 3m^2 - m + 8$	$14x^2y + 3xy^2 - 20x^2y + xy^2 - x^2y$
$14c + 16 - 23c - 18c - 10 - 32$	$18x + 13y - 17z + 9$

Simplify the following expressions.

$(3)(x)(x)(x)$	$(4)(15)(y)(y)(z)(y)(z)(z)(z)$
$2(x + 3)$	$13(2y - 4)$
$3(15m + 12)$	$20(5n + 1.5)$

Find the GCF of the following terms.

GCF (14, 42)	GCF (12x, 9x)
GCF (27, 16)	GCF (16y <sup>3</sup> , 96y <sup>2</sup> )

Find the LCM of the following terms.

LCM (14, 42)	LCM (6, 8)
LCM (4, 7)	LCM (16, 18)