Order of Operations with Decimals (G)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$6{,}1 \times 9{,}4 - (2{,}3)^2$

$(1{,}9)^2 + 5{,}4 \times 6{,}5$

$(5{,}6)^2 \div 1{,}6 - 5{,}9$

$8{,}6 \times 3{,}75 + (5{,}5)^2$

$(5{,}7)^2 - 4{,}2 \times 5{,}5$

$(3{,}6)^2 + 2{,}8 \times 4{,}4$

$(1{,}5)^2 \times (2{,}3 + 2{,}9)$

$\left(5{,}9 + (5{,}8)^2\right) \times 1{,}5$

$(3{,}8)^2 - 3{,}9 \times 2{,}6$

$3{,}5 \times 6{,}8 + (6{,}6)^2$

Order of Operations with Decimals (G) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$6{,}1 \times 9{,}4 - (2{,}3)^2$
$= 6{,}1 \times 9{,}4 - 5{,}29$
$= 57{,}34 - 5{,}29$
$= 52{,}05$

$(1{,}9)^2 + 5{,}4 \times 6{,}5$
$= 3{,}61 + 5{,}4 \times 6{,}5$
$= 3{,}61 + 35{,}1$
$= 38{,}71$

$(5{,}6)^2 \div 1{,}6 - 5{,}9$
$= 31{,}36 \div 1{,}6 - 5{,}9$
$= 19{,}6 - 5{,}9$
$= 13{,}7$

$8{,}6 \times 3{,}75 + (5{,}5)^2$
$= 8{,}6 \times 3{,}75 + 30{,}25$
$= 32{,}25 + 30{,}25$
$= 62{,}5$

$(5{,}7)^2 - 4{,}2 \times 5{,}5$
$= 32{,}49 - 4{,}2 \times 5{,}5$
$= 32{,}49 - 23{,}1$
$= 9{,}39$

$(3{,}6)^2 + 2{,}8 \times 4{,}4$
$= 12{,}96 + 2{,}8 \times 4{,}4$
$= 12{,}96 + 12{,}32$
$= 25{,}28$

$(1{,}5)^2 \times (2{,}3 + 2{,}9)$
$= (1{,}5)^2 \times 5{,}2$
$= 2{,}25 \times 5{,}2$
$= 11{,}7$

$(5{,}9 + (5{,}8)^2) \times 1{,}5$
$= (5{,}9 + 33{,}64) \times 1{,}5$
$= 39{,}54 \times 1{,}5$
$= 59{,}31$

$(3{,}8)^2 - 3{,}9 \times 2{,}6$
$= 14{,}44 - 3{,}9 \times 2{,}6$
$= 14{,}44 - 10{,}14$
$= 4{,}3$

$3{,}5 \times 6{,}8 + (6{,}6)^2$
$= 3{,}5 \times 6{,}8 + 43{,}56$
$= 23{,}8 + 43{,}56$
$= 67{,}36$