Order of Operations with Decimals (A)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$(-7.5)^2 + (-5.3) \times (-1.9)$

$2.8 \times (-5.6) - (-7.5)^2$

$(-4.7)^2 + 8.5 \times (-9.6)$

$(8.2 + (-1.9))^2 \div (-2.7)$

$(-5.4) - (-4.6)^2 \times (-2.5)$

$(3.9)^2 - 5.7 \times 7.8$

$6.7 \times (-4.1) - (0.5)^2$

$(-1.6)^2 - (-6.7) \times (-8.8)$

$(-3.7) \times (-2.9) - (-9.4)^2$

$(-7.6) \times (-4.5) + (-1.7)^2$

Order of Operations with Decimals (A) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$(-7.5)^2 + (-5.3) \times (-1.9)$

$= 56.25 + (-5.3) \times (-1.9)$

$= 56.25 + 10.07$

$= 66.32$

$2.8 \times (-5.6) - (-7.5)^2$

$= 2.8 \times (-5.6) - 56.25$

$= (-15.68) - 56.25$

$= -71.93$

$(-4.7)^2 + 8.5 \times (-9.6)$

$= 22.09 + 8.5 \times (-9.6)$

$= 22.09 + (-81.6)$

$= -59.51$

$\left(8.2 + (-1.9)\right)^2 \div (-2.7)$

$= (6.3)^2 \div (-2.7)$

$= 39.69 \div (-2.7)$

$= -14.7$

$(-5.4) - (-4.6)^2 \times (-2.5)$

$= (-5.4) - 21.16 \times (-2.5)$

$= (-5.4) - (-52.9)$

$= 47.5$

$(3.9)^2 - 5.7 \times 7.8$

$= 15.21 - 5.7 \times 7.8$

$= 15.21 - 44.46$

$= -29.25$

$6.7 \times (-4.1) - (0.5)^2$

$= 6.7 \times (-4.1) - 0.25$

$= (-27.47) - 0.25$

$= -27.72$

$(-1.6)^2 - (-6.7) \times (-8.8)$

$= 2.56 - (-6.7) \times (-8.8)$

$= 2.56 - 58.96$

$= -56.4$

$(-3.7) \times (-2.9) - (-9.4)^2$

$= (-3.7) \times (-2.9) - 88.36$

$= 10.73 - 88.36$

$= -77.63$

$(-7.6) \times (-4.5) + (-1.7)^2$

$= (-7.6) \times (-4.5) + 2.89$

$= 34.2 + 2.89$

$= 37.09$