

Guarantee practice – Important concepts you should know, examples you should be able to solve.
Chapters 1 - 4

PEMDAS	Some Examples
Parentheses	$4 + 6 * 3$
Exponents	
Multiplication	$4(9 - 3) + 8$
Division	
Addition	$7[11 + (8 - 3) * 4] + 15/3$
Subtraction	

Solve
 $4(x + 3) = 3(x - 4)$

Solve for $x = 2, y = 6$
 $6x + 3y$

$5x + 3 - 3y - 2$

$6 - 6(x - 2) = 3(3x + 1)$

$x^2 - y^2 + 5$

$4(3x - 2) - 5(2x + 4) = 6(x - 3)$

Solve (add or subtract)
 $(-3x + y) + (6x - 5y)$

$(-5x + y) - (3x - 2)$

$(8 - 12x) - (6x - 3)$

Solve

$$\frac{6}{36} = \frac{x}{96}$$

$$\frac{5}{x} = \frac{15}{18}$$

Solve
 $5x = 20$

$x + 3 = 9$

Solve

50% of 60 is x

40% of x is 18

$8 - x = 10$

$3x + 4 = 22$

x% of 128 is 48

$6 - 2x = 4x + 12$

$16 = 6 + 2x$

Find the mean, median, mode, and range for
5,3,7,9,2,6,1,5,4,5