

Notes 3-6

Int 1

Add Linear Expressions

Unit 3

Review: Evaluate:

a) $5 + (-4) + 10 =$

b) $-23 - 20 + (-11) =$

c) $-15 - 17 - (-50) =$

Practice changing each subtraction problem to "Add the Opposite".

d) $-47 - (-21) =$

e) $-50 - 16 =$

f) $33 - 70 =$

Simplify:

g) $\underline{-6g} + \underline{2g} = \boxed{-4g}$

h) $\underline{-9d} - \underline{3d} =$

$\boxed{-12d}$

i) $\underline{-84w} + \underline{16w}$

$\boxed{-68w}$

j) $\underline{4m} + \underline{3} + \underline{9m} - \underline{18}$

$\boxed{13m - 15}$

k) $\underline{-17h} - \underline{18g} + \underline{(-3h)} + \underline{5g}$

$\boxed{-20h - 13g}$

l) $30a + 12b + (-24a) - 10b$

Adding Linear Expressions:

Adding:

m) $(2x + 3) + (x + 4)$

$2x + 3 + x + 4$

$\boxed{3x + 7}$

n) $\uparrow(3x - 5) + \uparrow(2x - 3)$

$\underline{3x} - \underline{5} + \underline{2x} - \underline{3}$

$\boxed{5x - 8}$

o) $2(2x + 3) + 7(3x + 1)$

$\underline{4x} + \underline{6} + \underline{21x} + \underline{7}$

$\boxed{25x + 13}$

p) $5(x - 4) + 3(2x - 7)$

$\underline{5x} - \underline{20} + \underline{6x} - \underline{21}$

$\boxed{11x - 41}$