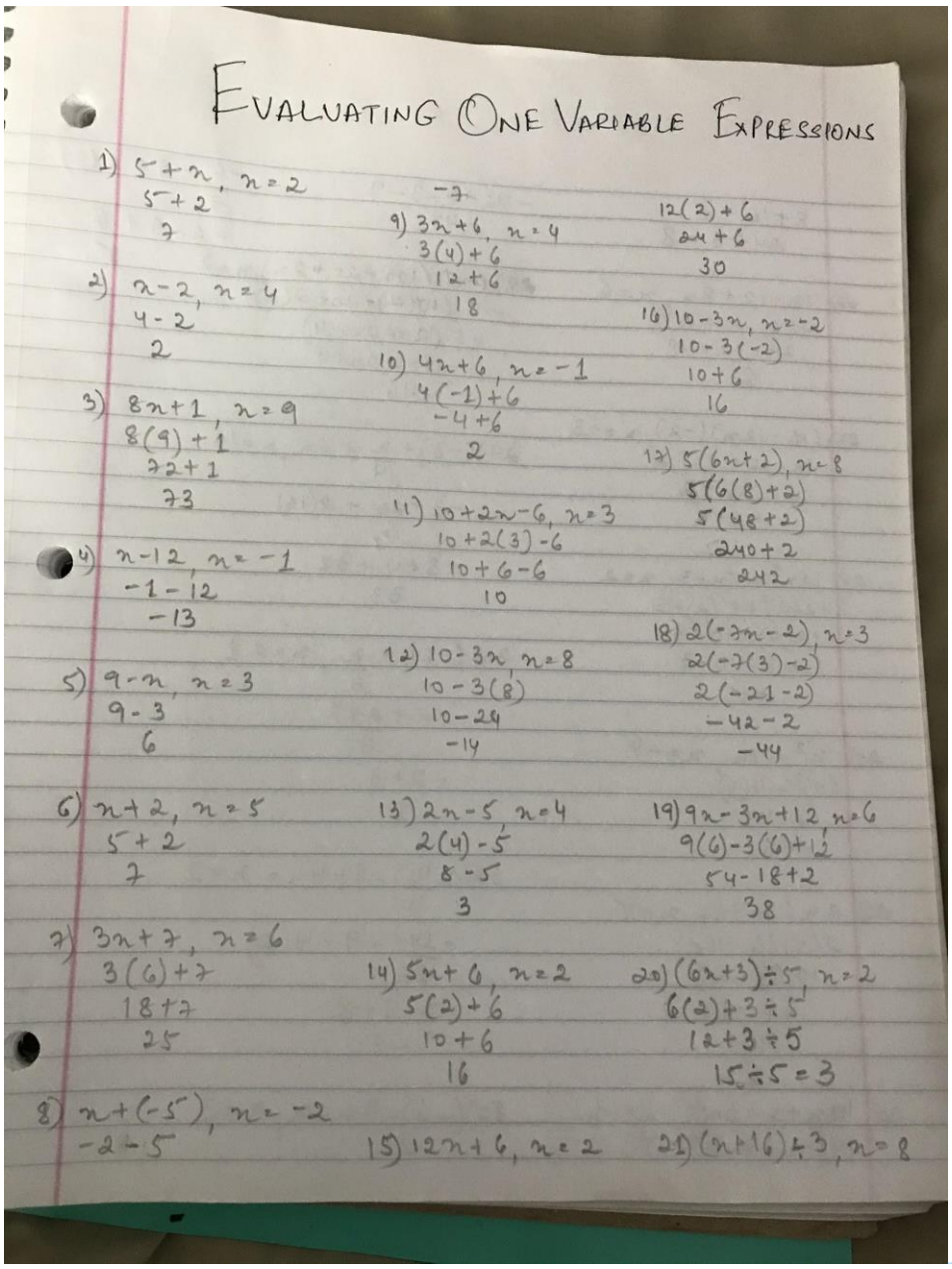


Evaluating One Variable Expressions

1) $5+n$, $n=2$
$5+2$
7

2) $n-2$, $n=4$
$4-2$
2

3) $8n+1$, $n=9$
$8(9)+1$
$72+1$
73

4) $n-12$, $n=-1$
$-1-12$
-13

5) $9-n$, $n=3$
$9-3$
6

6) $n+2$, $n=5$
$5+2$
7

7) $3n+7$, $n=6$
$3(6)+7$
$18+7$
25

8) $n+(-5)$, $n=-2$
$-2-5$
-7

9) $3n+6$, $n=4$
$3(4)+6$
$12+6$
18

10) $4n+6$, $n=-1$
$4(-1)+6$
$-4+6$
2

11) $10+2n-6$, $n=3$
$10+2(3)-6$
$10+6-6$
10

12) $10-3n$, $n=8$
$10-3(8)$
$10-24$
-14

13) $2n-5$, $n=4$
$2(4)-5$
$8-5$
3

14) $5n+6$, $n=2$
$5(2)+6$
$10+6$
16

15) $12n+6$, $n=2$
$12(2)+6$
$24+6$
30

16) $10-3n$, $n=-2$
$10-3(-2)$
$10+6$
16

17) $5(6n+2)$, $n=8$
$5(6(8)+2)$
$5(48+2)$
$240+2$
242

18) $2(-7n-2)$, $n=3$
$2(-7(3)-2)$
$2(-21-2)$
$-42-2$
-44

19) $9n-3n+12$ $n=6$
$9(6)-3(6)+12$
$54-18+2$
38

20) $(6n+3)\div 5$, $n=2$
$6(2)+3\div 5$
$12+3\div 5$
$15\div 5=3$

21) $(n+16)\div 3$, $n=8$

Commented [1]: recheck #18, 19, 22, 23-28. You may have wrote these problems down incorrectly or made an error in the process. Remember, you must work the problem inside the parentheses before you multiple. https://simple.wikipedia.org/wiki/Order_of_operations

$8+16\div3$

$24\div3=8$

$-42+7-3-9$

-47

$\frac{2}{\cancel{6}}-9+2(3)$

$-2-9+6$

-5

22) $4n-12+8n,\ n=6$

$4(6)-12+8(6)$

$24-12+48$

60

23) $(16-12n)(-2),\ n=-3$

$16-12(-3)(-2)$

$16+36-2$

50

24) $12n^2+5n-3,\ n=2$

$12(2)^2+5(2)-3$

$12(4)+10-3$

$48+10-3$

55

25) $n^2-11n,\ n=-4$

$(4)^2-11(4)$

$16-44$

-28

26) $2n(6-4n),\ n=5$

$2(5)(6-4(5))$

$10(6-20)$

$60-20$

40

27) $14n+7-3n^2,\ n=-3$

$14(-3)+7-3(-3)^2$

28) $(-5)(10n-20+2n),\ n=2$

$-5(10(2)-20+2(2))$

$-5(20-20+4)$

$-100-20+4$

-116

29) $(-3)+\frac{n}{4}+2n,\ n=16$

$-3+\frac{\cancel{16}^{4}}{\cancel{4}_{1}}+2(16)$

$-3+4+32$

33

30) $(-2)+\frac{n}{7},\ n=21$

$-2+\frac{\cancel{21}^{3}}{\cancel{7}_{1}}$

$-2+3$

1

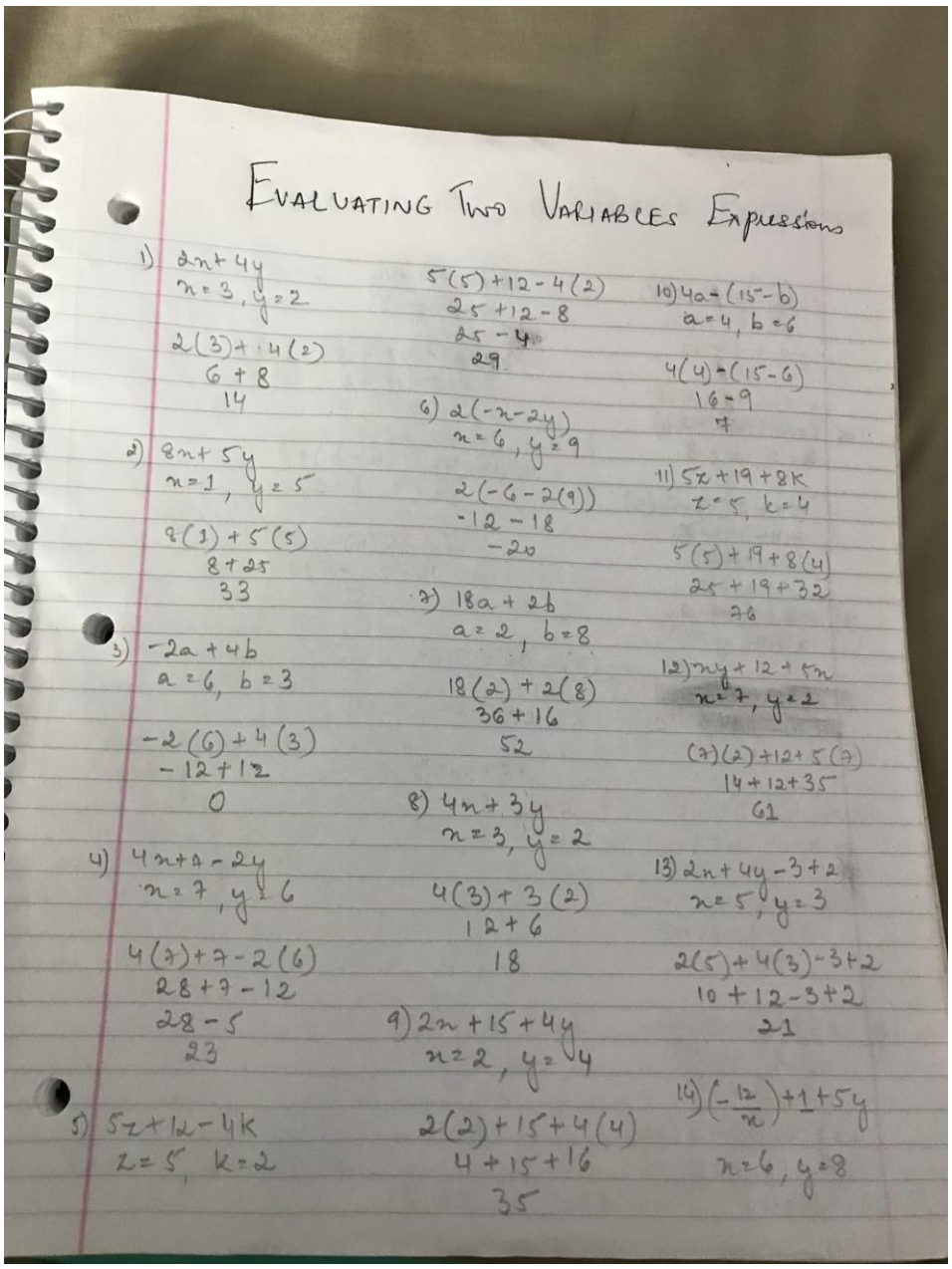
31) $\left(-\frac{14}{n}\right)-9+4n,\ n=2$

$-\frac{\cancel{14}^{7}}{\cancel{2}_{1}}-9+4(2)$

$-7-9+8$

-8

32) $\left(-\frac{6}{n}\right)-9+2n,\ n=3$



Evaluating Two Variables Expressions

1) $2x+4y$
$x=3, y=2$

$2(3)+4(2)$
$6+8$
14

2) $8x+5y$
$x=1, y=5$

$8(1)+5(5)$
$8+25$
33

3) $-2a+4b$
$a=6, b=3$

$-2(6)+4(3)$
$-12+12$
0

4) $4x+7-2y$
$x=7, y=6$

$4(7)+7-2(6)$
$28+7-12$
$28-5$
23

5) $5x+12-4k$
$x=5, k=2$

$5(5)+12-4(2)$
$25+12-8$
$25-4$
29

6) $2(-x-2y)$
$x=6, y=9$

$2(-6-2(9))$
$-12-18$
-20

7) $18a+2b$
$a=2, b=8$

$18(2)+2(8)$
$36+16$
52

8) $4x+3y$
$x=3, y=2$

$4(3)+3(2)$
$12+6$
18

9) $2x+15+4y$
$x=2, y=4$

$2(2)+15+4(4)$
$4+15+16$
35

10) $4a-(15-b)$
$a=4, b=6$

$4(4)-(15-6)$
$16-9$
7

11) $5x+19+8k$
$x=5, k=4$

$5(5)+19+8(4)$
$25+19+32$
76

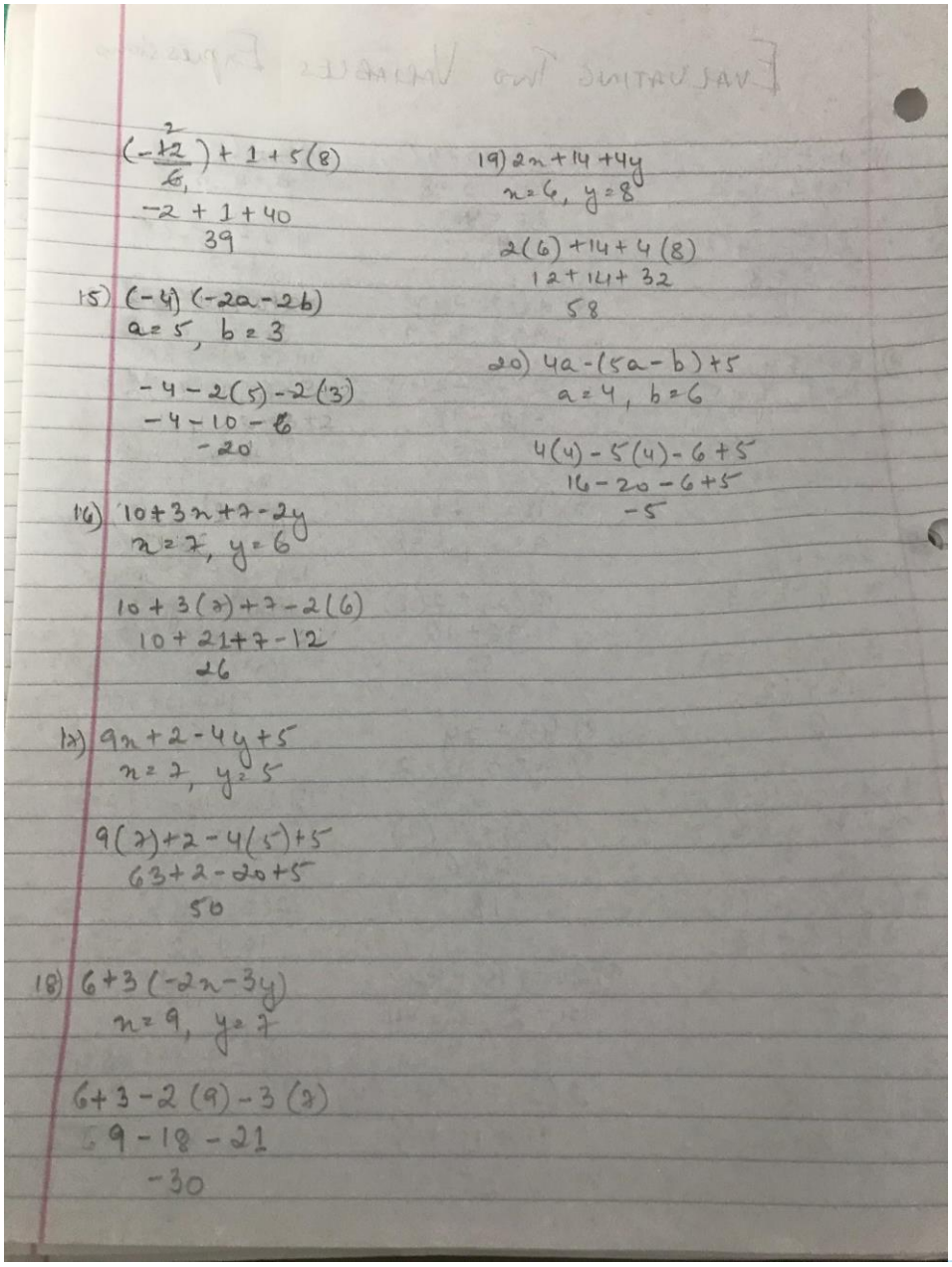
12) $7xy+12+5x$
$x=7, y=2$

$(7)(2)+12+5(7)$
$14+12+35$
61

13) $2x+4y-3+2$
$x=5, y=3$

$2(5)+4(3)-3+2$
$10+12-3+2$
21

14) $\left(-\frac{12}{x}\right)+1+5y$
$x=6, y=8$



$\left(-\frac{12}{6}\right) + 1 + 5(8)$

$-2 + 1 + 40$

39

15) $(-4)(-2a-2b)$

$a = 5,\ b = 3$

$-4 - 2(5) - 2(3)$

$-4 - 10 - 6$

-20

16) $10 + 3x + 7 - 2y$

$x = 7,\ y = 6$

$10 + 3(7) + 7 - 2(6)$

$10 + 21 + 7 - 12$

26

17) $9x + 2 - 4y + 5$

$x = 7,\ y = 5$

$9(7) + 2 - 4(5) + 5$

$63 + 2 - 20 + 5$

50

18) $6 + 3(-2x - 3y)$

$x = 9,\ y = 7$

$6 + 3 - 2(9) - 3(7)$

$9 - 18 - 21$

-30

19) $2x + 14 + 4y$

$x = 6,\ y = 8$

$2(6) + 14 + 4(8)$

$12 + 14 + 32$

58

20) $4a - (5a - b) + 5$

$a = 4,\ b = 6$

$4(4) - 5(4) - 6 + 5$

$16 - 20 - 6 + 5$

-5

Commented [2]: recheck #6, 8, 9, 15, 18, 20. You may have wrote these problems down incorrectly or made an error in the operation. Remember, you must work the problem inside the parentheses before you multiple.