School786
AN ONLINE SCHOOL

Name: Due Date: Teacher: Parent Sign:

Intro to equations with variables on both sides

1) $x + 4 = 2x - 3$

2) $3x + 1 = x + 9$

3) $5 + x = 2 + 3x$

4) $2x - 6 = x + 10$

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

6) $6x = 2x + 12$

7) $x - 7 = 2x + 2$

8) $7 + 3x = 4 + x$

9) $8x - 4 = 4x + 12$

10) $2 + 5x = 7x - 6$

11) $9x - 3 = x + 21$

12) $3 + x = x + 5$

13) $10 - x = 4$

14) $-2x + 5 = x - 7$

15) $5x + 2 = 2 + 5x$

Equations like $20 - 7x = 6x - 6$ (collecting x terms)

16) $20 - 7x = 6x - 6$

17) $18 - 5x = 4x - 7$

18) $15 - 3x = 2x + 5$

19) $12 - 4x = -2x + 8$

20) $30 - 8x = 7x + 2$

21) $14 - 6x = 3x - 1$

22) $25 - 9x = -x + 10$

23) $8 - x = 2x + 5$

24) $22 - 2x = 6x + 6$

25) $40 - 3x = x + 10$

26) $7 - 4x = -5x + 9$

27) $19 - x = 5x - 7$

28) $6 - 7x = -6x + 1$

29) $17 - 2x = -3x + 11$

30) $21 - 5x = 4x - 14$

Name: Due Date: Teacher: Parent Sign:

Equations with fractions (variables on both sides)

31) $(\frac{1}{2})$x + 3 = x - 1

32) $(\frac{2}{3})$x + 4 = x + 1

33) $\frac{x}{4}$ + 2 = $\frac{x}{2}$ + 1

34) $(\frac{3}{5})$x - 1 = $(\frac{1}{5})$x + 3

35) $(\frac{1}{3})$x + 2 = $(\frac{1}{6})$x + 5

36) $(\frac{5}{4})$x - 3 = x + 1

37) $\frac{x}{2}$ + 7 = $(\frac{3}{4})$x + 4

38) $(\frac{4}{5})$x + 1 = $(\frac{2}{5})$x + 6

39) 3 + $(\frac{x}{3})$ = 2 + $(\frac{x}{6})$

40) $(\frac{7}{8})$x - 2 = $(\frac{1}{8})$x + 4

Equations with the variable in the denominator

41) $\frac{5}{x}$ = 1

42) 6/(x + 1) = 2

43) 3/(x - 2) = 1

44) 8/(2x) = 2

45) $\frac{4}{x}$ + 1 = 5

46) 2/(x + 3) + 1 = 3

47) $\frac{7}{x}$ - 2 = 3

48) 9/(x - 1) = 3

49) 10/(x + 2) = 5

50) 12/(3x - 3) = 4