Determining Variable Value to Balance Equations

Name: _____

Find the value of x.

1) $1x + 4 = 40 + -3x$

2) $65 + 2x = 105 + -3x$

1. _____

2. _____

3. _____

3) $7 + 4x = -5x + 34$

4) $75 + -5x = -14x + 93$

4. _____

5. _____

6. _____

5) $-5 + 2x = -7x + 76$

6) $4x + 68 = -4x + 100$

7. _____

8. _____

9. _____

10. _____

7) $34 + 4x = -1x + 49$

8) $-22 + 5x = -5x + 48$

11. _____

12. _____

9) $4x + 17 = 89 - 4x$

10) $26 - 2x = -4x + 40$

11) $74 - 2x = 88 - 9x$

12) $-2x + 67 = 87 + -12x$

Math   www.CommonCoreSheets.com

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Find the value of x.

1) $1x + 4 = 40 + -3x$

$4x = 36$

$x = 9$

2) $65 + 2x = 105 + -3x$

$5x = 40$

$x = 8$

1. _____ **9**

2. _____ **8**

3. _____ **3**

3) $7 + 4x = -5x + 34$

$9x = 27$

$x = 3$

4) $75 + -5x = -14x + 93$

$9x = 18$

$x = 2$

4. _____ **2**

5. _____ **9**

6. _____ **4**

7. _____ **3**

5) $-5 + 2x = -7x + 76$

$9x = 81$

$x = 9$

6) $4x + 68 = -4x + 100$

$8x = 32$

$x = 4$

8. _____ **7**

9. _____ **9**

10. _____ **7**

7) $34 + 4x = -1x + 49$

$5x = 15$

$x = 3$

8) $-22 + 5x = -5x + 48$

$10x = 70$

$x = 7$

11. _____ **2**

12. _____ **2**

9) $4x + 17 = 89 - 4x$

$8x = 72$

$x = 9$

10) $26 - 2x = -4x + 40$

$2x = 14$

$x = 7$

11) $74 - 2x = 88 - 9x$

$7x = 14$

$x = 2$

12) $-2x + 67 = 87 + -12x$

$10x = 20$

$x = 2$

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Determining Variable Value to Balance Equations

Name:

Find the value of x.

4	3	9	9	2
9	7	3	7	8

1) $1x + 4 = 40 + -3x$

2) $65 + 2x = 105 + -3x$

3) $7 + 4x = -5x + 34$

4) $75 + -5x = -14x + 93$

5) $-5 + 2x = -7x + 76$

6) $4x + 68 = -4x + 100$

7) $34 + 4x = -1x + 49$

8) $-22 + 5x = -5x + 48$

9) $4x + 17 = 89 - 4x$

10) $26 - 2x = -4x + 40$