

NAME _____

DATE _____

PERIOD _____

PRE-ALGEBRA
SOLVING EQUATIONS - VARIABLE ON BOTH SIDES

1. $y - 6 = 8 + 2y$ _____

2. $2x - 4 = 12 + 3x$ _____

3. $\frac{1}{4}y + 6 = -\frac{3}{4}y + 15$ _____

4. $\frac{2}{3}x + 4 = -\frac{1}{3}x + 5$ _____

5. $t + 2 = 6 + 2t$ _____

6. $2w - 4 = w + 10$ _____

7. $6 + 2(a + 4) = 3a - 1$ _____

8. $9 + 3(c + 2) = 2c + 5$ _____

9. $2.3 - 3.6x = 5.1 - 2.6x$ _____

10. $3x - (x + 4) = x - 6$ _____

11. $4s - (s - 3) = 7 + 2s$ _____

12. $1.4 - 2.3s = 2.1 - 1.3s$ _____

13. $1\frac{1}{4}y + 1 = \frac{1}{4}y - 7$ _____

14. $-\frac{4}{3}w + 2 = 14 - \frac{1}{3}w$ _____

15. $1.8b + 2.6 = -5.8 + 2.8b$ _____

16. $3.2d + 1.4 = 4.2d - 2.6$ _____

17. $-5f + 14 = -6f - 10$ _____

18. $15k - 21 = 14k - 48$ _____