

## Algebra I Practice A.REI.B.3: Solving Linear Equations 2

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NAME: \_\_\_\_\_

Solve:

1.  $-2x + 15 + 4x + 15 = -6$

[A] -12 [B] 12 [C] 18 [D] -18

2.  $-9x + 21 + 11x + 21 = 2$

[A] -22 [B] -20 [C] 20 [D] 22

3.  $2 = 5(x + 9) + 8x$

[A]  $\frac{7}{13}$  [B]  $-3\frac{4}{13}$ [C]  $3\frac{4}{13}$  [D]  $-\frac{7}{13}$ 

4.  $6 = 6(x + 5) - 2x$

[A]  $-\frac{1}{4}$  [B] -6 [C] 6 [D]  $\frac{1}{4}$ 

5.  $-8 = 10(x - 3) + 6x$

[A]  $\frac{11}{16}$  [B]  $1\frac{3}{8}$  [C]  $-1\frac{3}{8}$  [D]  $-\frac{11}{16}$ 

6.  $5 = 2(x - 8) - x$

[A] -21 [B] 3 [C] -3 [D] 21

7.  $3 = 10(x - 4) - 5x$

[A]  $\frac{1}{5}$  [B]  $8\frac{3}{5}$  [C]  $-8\frac{3}{5}$  [D]  $-\frac{1}{5}$ 

8.  $7 = 8(x + 5) + 5x$

[A]  $\frac{2}{13}$  [B]  $2\frac{7}{13}$ [C]  $-\frac{2}{13}$  [D]  $-2\frac{7}{13}$ 

9.  $6n + 12 - 8n = 22$

10.  $5n + 26 - 3n = 54$

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[1] D

[2] B

[3] B

[4] B

[5] B

[6] D

[7] B

[8] D

[9]  $n = -5$

[10]  $n = 14$