

NAME: _____

P.I. A.A.22: Solve all types of linear equations in one variable

1. Select the equation that does not have a solution of 8.

[A] $-4(b - 6) + 2 = 10$

[B] $-5 = -(b - 1) + 3$

[C] $20 = -4(b - 1) + 8$

[D] $-20 = -4(b + 1) + 16$

6. $30 = 6(x - 7)$

7. $40 = 10(x + 5)$

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

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

Solve:

2. $40 = 8(x - 9)$

9. $3 = 10(x - 4) - 5x$

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

3. $8 = 4(x + 6)$

4. $15 = 5(x + 3)$

10. $7 = 8(x + 5) + 5x$

[A] $\frac{2}{13}$

[B] $2\frac{7}{13}$

[C] $-\frac{2}{13}$

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

5. $18 = 9(x - 2)$

[1] A

[2] 14

[3] -4

[4] 0

[5] 4

[6] 12

[7] -1

[8] D

[9] B

[10] D