

NAME: _____

1. 010908a, P.I. A.A.22

What is the solution for the equation
 $x + 1 = x + 2$?

- [A] $\frac{1}{2}$ [B] There is no solution.
[C] -1 [D] all real numbers

2. 010904a, P.I. A.A.22

What is the value of x in the equation
 $2(x - 3) + 1 = 19$?

- [A] 10.5 [B] 6 [C] 9 [D] 12

3. 080812a, P.I. A.A.22

What is the value of m in the equation
 $2m - (m + 1) = 0$?

- [A] -1 [B] 1 [C] 0 [D] $\frac{1}{3}$

4. 080801ia, P.I. A.A.22

Which value of p is the solution of
 $5p - 1 = 2p + 20$?

- [A] $\frac{19}{7}$ [B] 3 [C] 7 [D] $\frac{19}{3}$

5. 060813a, P.I. A.A.22

If $3(x + 2) - 2(x + 1) = 8$, the value of x is

- [A] 4 [B] $\frac{1}{5}$ [C] 5 [D] 1

6. 060810a, P.I. A.A.22

What is the value of x in the equation
 $5 - 3x = -7$?

- [A] -4 [B] 4 [C] $\frac{2}{3}$ [D] $-\frac{2}{3}$

7. 010807a, P.I. A.A.22

What is the value of p in the equation
 $8p + 2 = 4p - 10$?

- [A] 1 [B] 3 [C] -3 [D] -1

8. fall0732ia, P.I. A.A.22

Solve for g : $3 + 2g = 5g - 9$

9. 080731a, P.I. A.A.22

Solve for x : $5(x - 2) = 2(10 + x)$

10. 060702a, P.I. A.A.22

What is the value of x in the equation
 $6(x - 2) = 36 - 10x$?

- [A] -6 [B] 3 [C] 6 [D] 1.5

11. 010705a, P.I. A.A.22

What is the value of n in the equation
 $3n - 8 = 32 - n$?

- [A] 10 [B] -6 [C] -10 [D] 6

NAME: _____

12. 080602a, P.I. A.A.22

What is the value of p in the equation $2(3p - 4) = 10$?

- [A] $\frac{1}{3}$ [B] 3 [C] $2\frac{1}{3}$ [D] 1

13. 060602a, P.I. A.A.22

What is the value of x in the equation $13x - 2(x + 4) = 8x + 1$?

- [A] 3 [B] 4 [C] 1 [D] 2

14. 010601a, P.I. A.A.22

What is the value of x in the equation $5(2x - 7) = 15x - 10$?

- [A] 1 [B] 0.6 [C] -9 [D] -5

15. 060519a

If $-2x + 3 = 7$ and $3x + 1 = 5 + y$, the value of y is

- [A] 10 [B] 0 [C] 1 [D] -10

16. 060404a, P.I. A.A.22

If $3(x - 2) = 2x + 6$, the value of x is

- [A] 12 [B] 5 [C] 20 [D] 0

17. 010401a, P.I. A.A.22

If $2(x + 3) = x + 10$, then x equals

- [A] 4 [B] 7 [C] 14 [D] 5

18. 080219a, P.I. A.A.22

If $2x + 5 = -25$ and $-3m - 6 = 48$, what is the product of x and m ?

- [A] -33 [B] -270 [C] 3 [D] 270

19. 060214a, P.I. A.A.22

What is the solution of the equation $3y - 5y + 10 = 36$?

- [A] 4.5 [B] -13 [C] 2 [D] 13

20. 080015a, P.I. A.A.22

Solve for x : $15x - 3(3x + 4) = 6$

- [A] $\frac{1}{3}$ [B] $-\frac{1}{2}$ [C] 1 [D] 3

[1] B _____

[2] D _____

[3] B _____

[4] C _____

[5] A _____

[6] B _____

[7] C _____

[14] D _____

[15] D _____

[16] A _____

[17] A _____

[18] D _____

[19] B _____

[20] D _____

[2] 4, and appropriate work is shown.

[1] Appropriate work is shown, but one computational error is made.

or [1] Appropriate work is shown, but one conceptual error is made.

or [1] 4, but no work is shown.

[0] A zero response is completely incorrect, irrelevant, or incoherent or is a correct response that was obtained by an obviously

[8] incorrect procedure.

[2] 10, and appropriate work is shown, such as solving the equation or trial and error with at least three trials and appropriate checks.

[1] Appropriate work is shown, but one computational error is made.

or [1] Appropriate work is shown, but one conceptual error is made.

or [1] The trial-and-error method is attempted and at least six systematic trials and appropriate checks are shown, but no solution is found.

or [1] 10, but no work or fewer than three trials and appropriate checks are shown.

[0] A zero response is completely incorrect, irrelevant, or incoherent or is a correct response that was obtained by an obviously

[9] incorrect procedure.

[10] B _____

[11] A _____

[12] B _____

[13] A _____