

ALGEBRA EXERCISE

Find the answer for each unknown

1. $2x - 5 = 11$

2. $3x - 7 = 20$

3. $2x + 6 = 20$

4. $5x + 10 = 60$

5. $8 = 7 + 3x$

6. $12 = 2x - 8$

7. $-7 = 2x - 10$

8. $3x - 7 = -10$

9. $12 = 15 + 2x$

10. $5 + 6x = 7$

Hint: using number machines or multiplying both sides of the equations by the same number can help to solve the equations from 11 to 20.

11. $\frac{x}{5} = 7$

12. $\frac{x}{10} = 13$

13. $\frac{x}{2} = \frac{1}{3}$

14. $7 = \frac{x}{2}$

15. $\frac{3x}{2} = 5$

16. $\frac{4x}{5} = -2$

17. $-\frac{x}{2} + 1 = -\frac{1}{4}$

18. $\frac{x}{2} + 7 = 12$

19. $\frac{a}{5} - 1 = -4$

20. $-\frac{3}{5} + \frac{x}{10} = -\frac{1}{5} - \frac{x}{5}$

21. $4x - 4 = 3x - 1$

22. $2(x - 3) = 3(x - 1)$

23. $4(2 - x) = 3(3 - 2x)$