Evaluating One Variable

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Simplify each algebraic expression.

1) $x = 4,\ 7x + 3 =$

2) $x = 7,\ 2(\frac{21}{x} + 3) =$

3) $x = -20,\ \frac{40}{x} + 3 =$

4) $x = 14,\ 3(\frac{56}{x} + 7) =$

5) $x = -4,\ \frac{8}{x} + 2 =$

6) $x = 9,\ 2x + 7 =$

7) $x = 13,\ 4(\frac{26}{x} - 2) =$

8) $x = 12,\ \frac{48}{x} + 6 =$

9) $x = 2,\ 2(\frac{8}{x} + 3) =$

10) $x = -13,\ \frac{52}{x} + 5 =$

11) $x = 7,\ 7x - 4 =$

12) $x = -21,\ 4x + 4 =$

13) $x = 20,\ 3(\frac{60}{x} - 2) =$

14) $x = 8,\ 4(\frac{24}{x} + 2) =$

15) $x = -3,\ \frac{12}{x} + 8 =$

16) $x = 6,\ 2(\frac{12}{x} - 6) =$

17) $x = 18,\ \frac{72}{x} + 4 =$

18) $x = 11,\ x - 5 =$

19) $x = 2,\ 4x + 8 =$

20) $x = -9,\ \frac{27}{x} + 6 =$

21) $x = 21,\ 3(\frac{84}{x} - 2) =$

22) $x = 16,\ 3x + 2 =$

Answers of Evaluating One Variable

Simplify each algebraic expression.

1) $x = 4,\ 7x + 3 = 31$

2) $x = 7,\ 2(\frac{21}{x} + 3) = 12$

3) $x = -20,\ \frac{40}{x} + 3 = 1$

4) $x = 14,\ 3(\frac{56}{x} + 7) = 33$

5) $x = -4,\ \frac{8}{x} + 2 = 0$

6) $x = 9,\ 2x + 7 = 25$

7) $x = 13,\ 4(\frac{26}{x} - 2) = 0$

8) $x = 12,\ \frac{48}{x} + 6 = 10$

9) $x = 2,\ 2(\frac{8}{x} + 3) = 14$

10) $x = -13,\ \frac{52}{x} + 5 = 1$

11) $x = 7,\ 7x - 4 = 45$

12) $x = -21,\ 4x + 4 = -80$

13) $x = 20,\ 3(\frac{60}{x} - 2) = 3$

14) $x = 8,\ 4(\frac{24}{x} + 2) = 20$

15) $x = -3,\ \frac{12}{x} + 8 = 4$

16) $x = 6,\ 2(\frac{12}{x} - 6) = -8$

17) $x = 18,\ \frac{72}{x} + 4 = 8$

18) $x = 11,\ x - 5 = 6$

19) $x = 2,\ 4x + 8 = 16$

20) $x = -9,\ \frac{27}{x} + 6 = 3$

21) $x = 21,\ 3(\frac{84}{x} - 2) = 6$

22) $x = 16,\ 3x + 2 = 50$