Substitution Problem Set 2

1. If $x = 5$, then $10x + 2x - 5 - 17 =$

2. If $y = 0$, then $6 + 18 - 3,874y + \frac{x}{476} =$

3. If $x = 7$, then $2x - \frac{2x}{3} - 3 =$

4. If $x = 1$, $y = 4$, then $xy - (xy)^2 =$

5. If $x = 2$, $y = 1$, $z = 6$, then $\frac{2}{x} + \frac{y}{3} - \frac{4}{z} =$

6. If $l = 10$, $w = 23$, then $A = lw =$

7. If $b = 5$, $h = 14$, then $A = \frac{1}{2}bh =$

8. If $r = 7$, $\pi = 3.14$, then $C = 2\pi r =$

9. If $r = 280$, $\pi = 3.14$, then $A = \pi r^2 =$

10. If $r = 9$, $\theta = 90°$, $\pi = 3.14$, then $s = r\theta\frac{\pi}{180} =$

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11. If $x = -11$, then $x \div x \cdot x =$

12. If $s = -8$, then $x \div x \cdot x \div x =$

13. If $a = \frac{1}{5}$, then $a(2 + 3)^2 =$

14. If $b = -2$, then $b(7 - 10)^2 =$

15. If $c = 8$, then $c(c - 4)^2 =$

16. If $a = 4$, $b = 4$, $c = -15$, then $\frac{-b+\sqrt{b^2-4ac}}{2a} =$

17. If $a = 4$, $b = 4$, $c = -15$, then $\frac{-b-\sqrt{b^2-4ac}}{2a} =$

18. If $d = 14$, then $r = \frac{d}{2} =$

19. If $a = 3$, $b = 7$, $c = 2$, then $\frac{-b+\sqrt{b^2-4ac}}{2a} =$

20. If $a = 3$, $b = 7$, $c = 2$, then $\frac{-b-\sqrt{b^2-4ac}}{2a} =$