

BUZZ Review
 Expressions and Equations

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|-----|--|-----|--|
| 1. | $ 26 - 35 $ | 1. | <u>9</u> |
| 2. | $5^2 + \sqrt{144} - 6(h + 9)$ | 2. | <u>$-6h - 17$</u> |
| 3. | $4h + 7 = 7h - 2$ | 3. | <u>$h = 3$</u> |
| 4. | $ 3x + 5 + 5 = 12$ | 4. | <u>$x = -4, \frac{2}{3}$</u> |
| 5. | $2 3x - 9 + 5 = 23$ | 5. | <u>$x = 6, 0$</u> |
| 6. | Solve for q: $6p - 3q + 12r = 36$ | 6. | <u>$q = 2p + 4r - 12$</u> |
| 7. | $ 120 + 19 - -10 $ | 7. | <u>129</u> |
| 8. | $15 + -4 - \sqrt{100} + 3^2 \cdot 2$ | 8. | <u>27</u> |
| 9. | $4(g + 5) = 12g - 28$ | 9. | <u>$g = 6$</u> |
| 10. | $ 3x + 6 + 6 = 5$ | 10. | <u>no solution</u> |
| 11. | Solve for x: $2x + 4y = 20$ | 11. | <u>$x = -2y + 10$</u> |
| 12. | $ 15 + 6 - 7 - 9 + 8 + 1 $ | 12. | <u>28</u> |
| 13. | $ x + 7 = 0$ | 13. | <u>$x = -7$</u> |
| 14. | $\frac{3^2 + 1^2}{6 + 2^2 \cdot 3^2}$ | 14. | <u>$\frac{10}{42} = \frac{5}{21}$</u> |
| 15. | $-2j + 9 = -4j - 3$ | 15. | <u>$j = -6$</u> |
| 16. | $ 6x + 5 = -10$ | 16. | <u>no solution</u> |
| 17. | $3 2x + 4 + 3 = 27$ | 17. | <u>$x = 2, -6$</u> |
| 18. | Solve for x: $3x + 6y + 12z = 48$ | 18. | <u>$x = -2y - 4z + 16$</u> |
| 19. | $7(8 + 5h) - 34$ | 19. | <u>$35h + 22$</u> |
| 20. | $5 x + 7 + 14 = 8$ | 20. | <u>no solution</u> |

21. $48 - [36 \div (4 + 5)] + 1$

22. $\sqrt{100} + 3^3 - |-2| + 3\left(\frac{-1}{3}\right)$

23. $2|y + 4| - 8 = -8$

24. $-2|m + 5| + 5 = -1$

25. $-2m + 5 = 5m - 2$

26. $4x + 8y = 32$ Solve for y .

27. $3(k - 2) = 4k + 6$

21. 45

22. 16

23. $y = -4$

24. $m = -2, -8$

25. $m = 1$

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

27. $k = -12$