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| **1.**  **Solve and check the linear equation.**  5x - 5 = 30  A) {30}  B) {34}  C) {11}  D) {7}  **2.**  **Solve and check the linear equation.**  9x - (7x - 1) = 2  A)  B)  C)  D)  **3.**  **Solve and check the linear equation.**  7x - 9 = -10 + 4x  A)  B)  C)  D)  **4.**  **Solve and check the linear equation.**  (-5x + 4) - 5 = -4(x - 7)  A) {19}  B) {- 6}  C) {29}  D) {- 29}  **5.**  **Solve and check the linear equation.**  -3x + 5 + 6(x + 1) = -2x + 3  A)  B)  C)  D)  **6.**  **Solve and check the linear equation.**  6[-6x + 6 + 4(x + 1)] = 6x + 2  A)  B)  C)  D)  **7.**  **Solve and check the linear equation.**  32 - 2(11 - 8)2 = 36x  A)  B) {4}  C)  D) {0}  **8.**  **Solve and check the linear equation.**  0.30(80) + 0.60x = 0.40(80 + x)  A) {20}  B) {30}  C) {50}  D) {40}  **9.**  **Solve and check the linear equation.**  0.40x - 0.20(50 + x) = -0.04(50)  A) {50}  B) {30}  C) {40}  D) {20}  **10.**  **Solve the formula for the specified variable.**  F = C + 32for C  A) C = (F - 32)  B) C =  C) C =  D) C = (F - 32)  **11.**  **Solve the formula for the specified variable.**  A = h(a + b)for a  A) a =  B) a =  C) a =  D) a =  **12.**  **Solve the formula for the specified variable.**  d = rtfor r  A) r = dt  B) r = d - t  C) r =  D) r =  **13.**  **Solve the equation by factoring.**  x2 = x + 6  A) {-2, -3}  B) {1, 6}  C) {-2, 3}  D) {2, 3}  **14.**  **Solve the equation by factoring.**  x2 + 2x - 120 = 0  A) {12, 10}  B) {12, -10}  C) {-12, 10}  D) {-12, 1}  **15.**  **Solve the equation by factoring.**  15x2 + 26x + 8 = 0  A)  B)  C)  D)  **16.**  **Solve the equation by factoring.**  2x2 - 15x = 8  A) {-2, 8}  B)  C)  D)  **17.**  **Solve the equation by factoring.**  11x2 - 9x = 0  A)  B)  C) {0}  D)  **18.**  **Solve the equation by factoring.**  3x(x - 5) = 7x2 - 16x  A)  B) {0}  C) {0, 4}  D)  **19.**  **Solve the equation by factoring.**  7 - 7x = (4x + 9)(x - 1)  A)  B) {-4, 1}  C)  D) {-1, **4**}  **20.**  **Solve the equation by factoring.**  -6x - 2 = (3x + 1)2  A)  B)  C)  D) |