

Summer Assignment Review- Solving Linear Equations Date _____ Period _____

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Solve each equation. Leave your answer as an integer or as a reduced, improper fraction.

1) $-5(2 + 5v) = -110$

2) $180 = -6(5 + 7m)$

3) $-8(3x - 8) = -128$

4) $-84 = -n - 2(-5n + 6)$

5) $95 = -3 - 7(-4 + 2b)$

6) $-125 = -8(1 + 7x) - 5$

7) $-243 = -r + 8(-6 - 8r)$

8) $360 = 5(8n + 8)$

9) $-3(1 + 5n) = 117$

10) $105 = -5(-5x + 4)$

11) $8(3x - 3) = -7 + 7x$

12) $-5(v - 4) - 6v = 26 - 8v$

13) $-6a - 19 = -1 - 2(6a - 6)$

14) $-5r + 25 = -(r + 7)$

15) $2(1 + 5n) = 7n - 1$

16) $5(5 - x) - 6x = 22 - 8x$

17) $24 - 2n = -6(6 + 2n)$

18) $-2(k - 4) - 6 = 18 - 6k$

19) $7x + 36 = -2 + 4(1 + 6x)$

20) $-35 - p = 3(p - 5)$

Answers to Summer Assignment Review- Solving Linear Equations

1) {4}

2) {-5}

3) {8}

4) {-8}

5) {-5}

6) {2}

7) {3}

8) {8}

9) {-8}

10) {5}

11) {1}

12) {-2}

13) {5}

14) {8}

15) {-1}

16) {1}

17) {-6}

18) {4}

19) {2}

20) {-5}