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| Show all of your work. Circle your answer(s).  Chapter 1   1. Simplify: **-12 + 5 - (-4) – 6**   **Correct answer(s):** B   1. Simplify**:-22(-3)2(5)**   **Correct answer(s):** A  **3.** Simplify: **5/6 - 2/3 - 8/9**    **Correct answer(s):** B  **4.** Simplify: **31.24 - 8.12 + 1.07**    **Correct answer(s):** A  **5.** Simplify: **(.8)(-2.4)(-3.8)**  Correct answer(s): C  Chapter 2  **6.** Solve: **-4 = x – 11**  **Correct answer(s):** B  **7.** Solve: **8/15 = x + 2/5**  **Correct answer(s):** A  **8.** Solve: **-4/3y = 16/27**  **Correct answer(s):** D  **9.** Solve: **7x -3(2x-4)=4(2-x)**  **Correct answer(s):** C  **10.** Find the selling price per pound of a tea mixture made from 20 lbs. of tea costing $8.00 per pound and 80lbs of tea costing $3.40 per pound.  **Correct answer(s):** A  Chapter 3  **11.** Find the slope of the line containing the points P1(-2,3) and P2(1,-4)  **Correct answer(s):** B  **12.** Find the y-intercept of the line 3x +2y=-6    **Correct answer(s):** C  **13.** Find the equation of the line that contains the point (-1,4) and has slope -2  **Correct answer(s):** D  **14.** Find the equation of the line that contains the point (-1,-2) and has an undefined slope  **Correct answer(s):** A  **15.** A manufacturer of backpacks determines that the cost to produce 100 backpacks is $1500. The cost to produce 500 backpacks is $7000. Write a linear equation for the cost, y, of producing x backpacks.  **Correct answer(s):** B  Chapter 4  **16.**  Solve for x and y by substitution: x-2y=-6                                    y=3x-2  **Correct answer(s):** B  **17.** A crew rowing with the current rowed 11mi in 2 hrs. Against the current, the crew rowed 5 mi in 2 hrs. Find the rate of the current.  Correct answer(s): C  Mixed chapters 1-4  18. Simplify: 3x-2[x-2(x-3y)-4y]  **Correct answer(s):** C  **19.** Simplify: -20(36)(4)(-3)  **Correct answer(s):** B  **20.** Solve: y + 1.6 = 5.2  **Correct answer(s):** D |

