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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  |

