

Name: \_\_\_\_\_

Intermediate Math II  
Summer Math Packet

Date: \_\_\_\_\_ Period: \_\_\_\_\_

**\*\*No Calculator!!\*\***

**\*\*Show all work\*\***

Please complete each of the following showing all work. Please circle your final answer. No calculators are allowed.

Solve:

1.  $10 = x + 3$

2.  $12 = x - 5$

3.  $10 = \frac{x}{6}$

4.  $20 = 4x$

5.  $4.56 + 83.2$

6.  $78 - 3.875$

7.  $5.67 \times 4.9$

8.  $56 \div 0.02$

**\*\*No Calculator!!\*\***

**\*\*Show all work\*\***

Solve:

9.  $10 = 3x + 4$

10.  $30 = 4x - 2$

Simplify:

11.  $3\frac{1}{8} + 5\frac{3}{5}$

12.  $\frac{5}{8} - \frac{1}{4}$

13.  $5\frac{1}{5} - 2\frac{5}{8}$

14.  $\frac{7}{9} \times \frac{1}{3}$

15.  $4\frac{2}{3} \times 2\frac{3}{7}$

16.  $\frac{6}{5} \div 3$

**\*\*No Calculator!!\*\***

**\*\*Show all work\*\***

17.  $6\frac{4}{5} \div 8\frac{1}{3}$

18.  $-2 + -5$

19.  $-9 + 12$

20.  $10 - 15$

21.  $-6 - (-4)$

22.  $-9 \times 8$

23.  $-81 \div -3$

24.  $-7 \times 9 - 8$

25. Determine whether 3 is a solution of the inequality  $9x - 3 > 24$ .

**\*\*No Calculator!!\*\***

**\*\*Show all work\*\***

Evaluate the given expression.

26.  $\frac{(x+4)}{9}$  when  $x = 23$

27.  $(3x - 5)(y + 2)$

when  $x = 3$  and  $y = 2$

28. If you jog 300 feet per minute, how many feet will you jog in one hour?

29. A football field is 110 meters long and 49 meters wide. How many square meters of artificial turf are needed to cover the field?

30. A car traveled for two hours at a constant speed of 65 mph. How far did the car travel?

31. Estimate  $2001 \div 49$ .

**\*\*No Calculator!!\*\***

**\*\*Show all work\*\***

32. Round 3.9619 to the nearest hundredth.

33. Write 0.625 as a fraction.

Write as a ratio in lowest terms:

34. 20 g to 50 g

35. 7 cm to 1 m

36. 8 in to 2 ft

37. What is 35% of 64?

38.  $\frac{4}{5}$  of 72 is what number?

**\*\*No Calculator!!\*\***

**\*\*Show all work\*\***

39. 6 is what percent of 120?

40. 3 is 12% of what number?

Simplify:

41.  $7 + 9 \times 8 - 3^2$

42.  $6^2 + 5(8 - 11)$

43. Write the decimals in order from least to greatest.

3.08, 3.0, 3.006, 3.0068, 3.7      \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

44. Joyce correctly answered 15 out of 20 questions on her French test. What percent did she answer correctly?

Solve

45.  $\frac{x}{12} = \frac{5}{18}$

**\*\*No Calculator!!\*\***

**\*\*Show all work\*\***