Hello student! Use this practice test to prepare for your math placement test: **WAMAP Test 1.** Do not use a calculator when practicing, calculators are not allowed for Test 1. Answers are included at the end of document, if you get 75%+ correct we encourage you to review content for **Test 2 or take Test 1 with Highline College.** *You can choose to start with Test 1 or Test 2.

1.8 + (-7)

2.3 – 2

3. (-20) + (-7)

4. -12 - (-9)

5.12(-8)

 $6.\frac{(11)}{(-1)}$

7. Solve for c 2c - 8 = -19

The solution is c = Use simplified fractions or integers, not decimals, in your answer. Click in the answer box for additional formatting options for fractions.

8. Solve the equation -6x = 7x - 18. The solution is x = Use simplified fractions or integers, not decimals, in your answer. Click in the answer box for additional formatting options for fractions.

9. Solve the equation 6(y + 4) = 24. The solution is y = Use simplified fractions or integers, not decimals, in your answer. Click in the answer box for additional formatting options for fractions.

10. Solve the equation

$$4(9b - 5) = 2 + 8b - 3$$

b = Use simplified fractions or integers, not decimals, in your answer. Click in the answer box for additional formatting options for fractions.

11. Fully simplify ("reduce") the following fraction: $\frac{9}{12}$

 $\frac{9}{12} =$

Use simplified fractions or integers, not decimals, in your answer. Click in the answer box for additional formatting options for fractions.

12. If there are 9188 students at Rocky Valley College and 1/4 of the students take speech. How many students take speech at Rocky Valley College?

Give your answer as a whole number.

13. Subtract: $\frac{12}{11} - \frac{13}{33}$

Give your answer as a fraction reduced to lowest terms.

14. Multiply: $\frac{1}{4} \cdot \frac{2}{3}$

Give your answer as a fraction, reduced to lowest terms

15. Divide
$$\frac{10}{17} \div \frac{22}{7}$$

Divide and simplify ("reduce") your final answer. Use improper fractions, not mixed numbers or decimals.

16. Subtract: $\frac{10}{21} - \frac{5}{6}$

Give your answer in reduced terms.

17. Compute the following: $4 + 2(5 \cdot 3 - 10)$

18. Order of Operations Perform the indicated operations: $(9-2)^2 - 5$ simplifies to $4 \cdot 5^2 + 9$ simplifies to $(9)^2 - 5(9) + 8$ simplifies to $\frac{4^2+2}{3-1}$ simplifies to

19. Simplify: 7a - 2(6a + 4)

20. Simplify: 5(3x - 6y) - 2(x + 4y)

21. Multiply, then combine like terms: (4x - 4)(2x - 5)

22. Multiply and simplify: 6r(3r + 7)(r - 3)

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23. Subtract: $\frac{13}{28} - \frac{13}{20}$

Subtract and simplify ("reduce") your final answer. Use improper fractions, not mixed numbers.

 $\frac{13}{28} - \frac{13}{20}$ simplifies to

24. Multiply $\frac{6}{7} \cdot \frac{7}{8}$.

Multiply and simplify ("reduce") your final answer. Use improper fractions, not mixed numbers.

 $\frac{6}{7} \cdot \frac{7}{8}$ simplifies to

25. Perform the following calculation: -21 - 23

26. Perform the following calculation: -9 - (-10)

27. Perform the following calculation: -5(4)

28. Simplify: $2 - 5 + 7 \cdot 3^2$

NOTE: The dot in the expression is a multiplication sign, not a decimal point.

29. Simplify: 15w + 1 + 13w - 11

30. Rewrite -(z + 14) as an equivalent expression without parentheses.

Key - Form 1

1.	1
2.	1
3.	-27
4.	-3
5.	-96
6.	-11
7.	11
	2 18
8.	$-\frac{13}{13}$
9.	0
10.	<u>19</u>
11	28 3
11.	4
12.	2297
13.	<u>23</u> 22
11	55 1
14.	- 6 35
15.	187
16.	5
17	14
1/.	14
18.	$44 \sim 109 \sim 44 \sim 9$
19.	-5a - 8
20.	13x - 38y
21.	$8 \cdot x^2 - 28 \cdot x + 20$
22.	$18 \cdot r^3 - 12 \cdot r^2 - 126 \cdot r$
23.	$-\frac{13}{70}$
24	3
27.	4
25.	-44
26.	1
27.	-20
28.	60
29.	28w - 10
30.	-z - 14

These practice packets should **NOT** be taken more than once. Instead, use them to target specific areas that need further work and access more practice questions online with <u>WAMAP</u>