



Aledo Independent School District

GRADES 6-12 DISTANCE LEARNING

School Name	Aledo High School
Grade Level	9-12
Week of	05/11/20 *All assigned work due by Sunday at midnight

Math Resource

Estimated Time to Complete: 2 hours
Resources Needed: Completed Test 1 Review, Test #1

Lesson Delivery (What do we want you to learn?):

No new material will be given this week.
Look again at the Google Slides I have sent you the past two weeks on our Google Classroom for personalized instruction on each lesson included in the Review/Test.

Engage and Practice (What do we want you to do?):

- 1) Remember: you can attend our Web ex class meetings M-F from 1-2 for any help needed
- 2) Look over the completed test review
- 3) Complete test

Create and Submit (What do we want you to turn in?):

turn in test through Google Classroom. You can take a picture and submit it or you can take a picture and text it to me at 817 313 8697.

Optional Extension Opportunity (What do we want you to do if you want to extend your learning?):

Prepare a Thinking Map – any that you choose – to help you review and study for your test! If you need ideas we can talk about those during our Webex class meetings!

-Review-

NAME _____ DATE _____ PERIOD _____

TEST #1 REVIEW: INTEGERS & OPERATIONS

SIMPLIFY.

1. $18 - 5 \cdot 2 =$ <u>8</u>	2. $6 + 2(4 + 3) =$ <u>20</u>
3. $4 + 3 \cdot 2 + 10 \div 5 =$ <u>12</u>	4. $8 \div 4 + 5 - 12 \div 3 + 4 \cdot 2 =$ <u>11</u>
5. $\frac{15 - 3 \cdot 2}{11 - 4 \cdot 2} =$ <u>3</u> $\frac{9}{3}$	6. $\frac{3 + 4 \cdot 6 + 1}{2(6 - 4)} =$ <u>7</u> $\frac{28}{4}$
7. $4 + (9 - 3) \cdot 2^2 =$ <u>28</u>	8. Name the integer that describes 50 meters above sea level. <u>50</u>
9. Name the integer that describes 6 feet below ground. <u>-6</u>	10. Which number is larger? -6 or <u>(-3)</u>
11. Which number is smaller? <u>(-9)</u> or -4	12. Which two number have an absolute value of 2? <u>2</u> and <u>-2</u>
13. Which number is larger? <u>(14)</u> or $\frac{12}{ -12 }$	14. $3 -7 - 6 =$ <u>15</u>

- Review -

review test # 1

15. $- 10 - 2 = \underline{-8}$	16. $- -15 + -9 = \underline{-6}$
17. $-8 + 2 = \underline{-6}$	18. $-3 + (5 - 9) = \underline{-7}$
19. $-7 - (-4) = \underline{-3}$	20. $-14 - 6 + 8 + 13 = \underline{1}$
21. $11 - (8 - 15) = \underline{18}$	22. $9 + 12 - 7 - 2 + 13 = \underline{25}$
23. $(-3)(2)(-5) = \underline{30}$	24. $(-8)(4) = \underline{-32}$
25. $-28 \div -7 = \underline{4}$	26. $\frac{-24 \div -4}{-2} = \underline{-3}$ $\frac{6}{-2}$
27. $\frac{-1}{3} \div \left(\frac{-1}{9}\right) = \underline{3}$	28. $10 - 3 - [11 + (+4)] = \underline{-8}$ $7 - 15$

Evaluate each expression when $w = 12$, $x = 5$, $y = -6$, and $z = -4$.

29. $9x + y = \underline{39}$	30. $2w - z + 3 = \underline{31}$
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- Review -

Review Test # 1

$$31. |x - 2z + (-w)| = \underline{1}$$
$$|5 - 2(-4) + (-12)|$$

$$32. 2(x + w) - y = \underline{40}$$
$$2(5 + 12) - -6$$

Simplify each expression.

$$33. 9r - 5r - 6r = \underline{-2r}$$

$$34. 3c - 8 + 6 - c = \underline{2c - 2}$$

$$35. \underline{5a + 7a} - 10b + 5b = \underline{12a - 5b}$$
$$12a - 5b$$

$$36. 9a - 2(6a + 3) = \underline{-3a - 6}$$
$$9a - 12a - 6$$

$$37. 2(3t - 5) - 3(4t + 1) = \underline{-6t - 13}$$
$$6t - 10 - 12t - 3$$

$$38. 5(2y + 3x) + 6(y + x) = \underline{16y + 21x}$$
$$10y + 15x + 6y + 6x$$

Simplify each expression. THEN evaluate for $m = 3$, $n = -4$, and $p = -2$.

$$39. 4m + 3n - 2m + n$$

$$2m + 4n$$
$$2(3) + 4(-4)$$

Simplest form: $\underline{2m + 4n}$

Evaluation: $\underline{-10}$

$$40. 7(m - n) - 3(p + 2m)$$

$$7m - 7n - 3p - 6m$$
$$m - 7n - 3p$$
$$3 - 7(-4) - 3(-2)$$

Simplest form: $\underline{m - 7n - 3p}$

Evaluation: $\underline{37}$

- Review -

<p>41. $-2(n + m) + 2n + 3m$ $-2n - 2m + 2n + 3m$</p>	<p>Simplest form: <u> m </u> Evaluation: <u> 3 </u></p>
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Name the property illustrated.

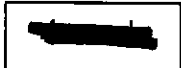
42. $7 + (p + q) = (p + q) + 7$	<u>Commutative</u>
43. $7(pq) = (7p)q$	<u>Associative</u>
44. $7(p + q) = 7p + 7q$	<u>Distributive</u>
45. $7(p + q) = 7(q + p)$	<u>Commutative</u>
46. $7 + (p + q) = (7 + p) + q$	<u>Associative</u>

ANSWERS TO REVIEW

The image shows a collection of mathematical expressions and properties scattered across the page. Many of these items are crossed out with a diagonal line. The uncrossed items include:

- Properties: associative, commutative, distributive
- Expressions: $2a - 2$, 20 , $21x + 16y$, $2m + 4n$, $12a - 5b$, $m - 7n - 3p$, 10 , $3a - 6$, 40 , 14 , 8 , 9 , 25 , 37 , 22 , 28 , 3 , 6 , 1 , 2 , 3 , 4 , 5 , 6 , 7 , 8 , 9 , 10 , 11 , 12 , 13 , 14 , 15 , 16 , 17 , 18 , 19 , 20 , 21 , 22 , 23 , 24 , 25 , 26 , 27 , 28 , 29 , 30 , 31 , 32 , 33 , 34 , 35 , 36 , 37 , 38 , 39 , 40 , 41 , 42 , 43 , 44 , 45 , 46 , 47 , 48 , 49 , 50 , 51 , 52 , 53 , 54 , 55 , 56 , 57 , 58 , 59 , 60 , 61 , 62 , 63 , 64 , 65 , 66 , 67 , 68 , 69 , 70 , 71 , 72 , 73 , 74 , 75 , 76 , 77 , 78 , 79 , 80 , 81 , 82 , 83 , 84 , 85 , 86 , 87 , 88 , 89 , 90 , 91 , 92 , 93 , 94 , 95 , 96 , 97 , 98 , 99 , 100

TEST #1 FORM M
Integers and Variable Expressions



Simplify.

<p>1) $9 + 2(4 + 3) =$ _____</p>	<p>2) $0 \cdot 9 + 6 - 10 \div 5 + 2 \cdot 4 =$ _____</p>
<p>3) $0^3 - (0 - 0) + 0 \cdot 2$</p>	<p>$\frac{7 + 4 \cdot 2}{4 \cdot 0 - 0 \cdot 2} =$</p>



Answer the following.

<p>5) Name the integer that describes a loss of 4</p> <p>answer: _____</p>	<p>6) Circle the smaller of the two numbers.</p> <p style="text-align: center;">-10 or -5</p>
<p>7) $4 =$ _____</p>	<p>8) $- -10 =$ _____</p>
<p>9) Circle the smaller of the two numbers.</p> <p style="text-align: center;">-11 or -15</p>	

Compute the following.

~~_____~~

$$10) 7 - 12 = \underline{\hspace{2cm}}$$

$$11) (-4 + 9) + -2 = \underline{\hspace{2cm}}$$

~~$$12) \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$~~

$$13) 6 - 12 + 13 + 5 - 24 = \underline{\hspace{2cm}}$$

$$14) (-2)(-6)(-5) = \underline{\hspace{2cm}}$$

~~$$\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$~~

~~$$\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$~~

~~$$\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$~~

$$18) -2|-9| + -7 = \underline{\hspace{2cm}}$$

Evaluate each expression when $a = 2$, $b = 5$, $x = -4$, and $n = 10$.

~~2000~~

19. $8a + b$

20. $-x + (-6) + 2n$

~~21. $3a - 4b + 5c$~~

~~_____~~

Simplify each expression.

~~2000~~

~~22. $4a - 3b + 2c$~~

~~_____~~

23. $-9 + 3b + 4 - b$

24. $-8v + 6 - 2w - 5v - 7w$

~~25. $4a - 3b + 2c$~~

~~_____~~

Simplify each expression. THEN evaluate
for $b = 5$, $r = -2$, $s = -1$, and $x = -2$.

~~4 each~~

~~26. $3r - 4 + 8s - 2r$~~

~~Simplest form: _____~~~~Evaluation: _____~~

27. $8x - 3(5x - 3)$

Simplest form: _____

Evaluation: _____

Name the property illustrated.

~~3 each~~

28. $5(ab) = (5a)b$

29. $5(a + 3b) = 5a + 15b$

~~30. $5a + (2b + c) = (5a + 2b) + c$~~

~~_____~~

31. $2a + (3b - 4) = (3b - 4) + 2a$
