

Algebra II Chapter 1 Test

Name: Key

Find the value of each expression.

1. $18 \div 2 * 3$

$$27$$

2. $5.3(2 - 12 \div 2)$

$$-21.2$$

3. $1 + 2 - 3 * 4 \div 2$

$$-3$$

4. $12 - [20 - 2(6^2 \div 3 * 2^2)]$

$$88$$

Solve each equation.

5. $13 = 8 - 6r$

$$-\frac{5}{6}$$

$$-.83$$

6. $9 + 4n = -59$

$$-17$$

7. $5(6 - 4v) = v + 21$

$$\frac{3}{7}$$

$$.43$$

8. $6x - 5 = 7 - 9x$

$$\frac{4}{5}$$

$$.8$$

9. $-4(6y - 5) = 23 - 3(8y + 1)$

all #'s

10. $|n - 4| = 13$

-9, 17

11. $7|x + 3| = 42$

-9, 3

12. $-3|4x - 9| = 24$

No Solu

13. $|8 + p| = 2p - 3$

8+p=2p-3
p=-11
p=11
8+p=2p-3
3p=-5
p=-5/3
11, -5/3
p=5/3

14. $4|2Y - 7| + 5 = 9$

3, 4

15. $\frac{20}{7} = 3$

20/7, -4

2.86

16. $3 - |8x - 6| = 3$

3/4, 75

17. $2 - 5|5m - 5| = -73$

4, -2