

Name: _____ Class: _____ Date: _____

7th Grade Pre-Algebra Chapter 1 Midterm Review Worksheet

Find the value of each expression using the order of operations:

1. $9 + 12 \div 3 \cdot 2$

2. $72 \div 9 \cdot 4 \div 2$

3. $28 \div (2 \cdot 2)$

4. $7[(12 + 5) - 3(19 - 14)]$

15. $7g - 14 > 0$

$g = 3$

16. $4t - 4 < 20$

$t = 7$

17. $9 \leq 5j - 6$

$j = 3$

18. $12 \geq \frac{2k}{9} + 8$

$k = 18$

Evaluate each expression if $m = 3$, $r = 7$, & $t = 8$:

5. $m + r - t - 2$

6. $rt - mt$

7. $4r + 2m + \frac{t}{2}$

8. $\frac{5mt}{(m+r)}$

Simplify each expression by combining like terms:

9. $2y + 3y + 6y - 4y$

10. $12d + 6d - 3$

11. $45z + 10 - 15z$

12. $5(a + 3) + 12a$

Evaluate each inequality for the given value.

Write if the inequality is TRUE or FALSE:

13. $5f - 2f + 3 \geq 9$ $f = 2$

14. $6h - 3 > 15$ $h = 2$

Name: _____ Class: _____ Date: _____

7th Grade Pre-Algebra Chapter 2 Midterm Review Worksheet

Solve each equation:

Simplify each expression:

1. $h = -5 - (-7)$

17. $-8x + 9x + (-3x)$

2. $652 - (-57) = b$

18. $-12z + (-9z)$

3. $z = 346 - 865$

19. $-74a - 56a$

4. $d = -658 - 867$

20. $-453ab - (-675ab)$

5. $6 + 5 + (-4) = t$

6. $k = -3 + 8 + (-9)$

7. $10 + (-5) + 6 = n$

8. $-15 + (-2) + 20 + 7 = p$

9. $c = (-33)(3)$

10. $-15[7 \cdot (-2)] = y$

11. $-6(-5)(-3) = w$

12. $m = 8(-3)(-2)$

13. $-143 \div 11 = g$

14. $x = -270 \div -90$

15. $268 \div -67 = b$

16. $d = 288 \div -18$

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7th Grade Pre-Algebra Chapter 3 Midterm Review Worksheet

Solve each equation:

Solve each inequality:

1. $18 + m = -57$

19. $a - 4 > -2$

2. $w + 42 = -51$

20. $b + 33 < -2$

3. $44 = b + 63$

21. $-14 < \frac{d}{-6}$

4. $-22 = z + 13$

22. $\frac{k}{4} \leq -21$

5. $p - (-17) = 2$

23. $-12y < -108$

6. $k - 36 = -37$

24. $14y \leq -210$

7. $x - (-18) = 14$

8. $s - (-47) = -27$

Find the PERIMETER and AREA for each figure described:

9. $r - 21 = 58$

25. A square with a side of 15 m

10. $-5z = 50$

26. A rectangle with a length of 27 in & a width of 8 in

11. $0 = -9r$

27. A square with a side of 21 cm

12. $-8h = -112$

28. A rectangle with a length of 13 ft & a width of 11 ft

13. $-68a = -476$

14. $9 = \frac{l}{-5}$

15. $\frac{w}{-4} = 0$

16. $15 = \frac{k}{-5}$

17. $\frac{s}{-65} = -14$

18. $247 = \frac{x}{-48}$

Name: _____ Date: _____

7th Grade Pre-Algebra Chapters 5 & 6 Midterm Review Worksheet

Solve each equation or inequality. Simplify any fractions. SHOW YOUR WORK!!!!

1. $r = 10.2 + 6.8$

2. $(-0.0544) \div 0.017 = g$

3. $r = -3.1 \times 0.5$

4. $t \leq -\frac{8}{9} \times -\frac{3}{2}$

5. $(0.32)(-1.4) = a$

6. $v = (0.04)(1.033)$

7. $d = 1\frac{1}{9} \div 1\frac{17}{63}$

8. $f > 35.5 \div -5$

9. $y = 15 - 8.7$

10. $i = (-0.5)(7.4)$

11. $\frac{4}{5} - \frac{5}{10} = g$

12. $p = 4\frac{1}{2} \cdot 8$

13. $g = 5\frac{2}{7} \div \left(-\frac{3}{8}\right)$

14. $t \leq -7 + 15.23$

15. $s > 3 - 1.2$

16. $q = -9 + 2.83$

Name: _____ Class: _____ Date: _____

7th Grade Pre-Algebra Chapter 7 Midterm Review

Solve each of the following EQUATIONS. Be sure to SHOW YOUR WORK!!!! (Chapter 7)

- $4x - 9 = 5x + 7$
- $7x = 2(15 + x)$
- $-18 = -3(z + 4)$
- $5(-x + 10) = 5x + 10$
- $3x - 16 = -41 + 8x$
- $12 - 2a = 10$
- $-5x = 3(x + 4) + 2$
- $3x + 15 = 4(x + 9) - 20$
- $4(a + 3) = a + 6$
- $4(n + 3) = 3(2n - 3) + 10$
- $9 = \frac{x}{4} + 4$
- $-2y = 16y - 9$
- $-40 \leq 8(2t - 2)$
- $-2(2x - 1) \geq -9$
- $-4(3x + 2) \geq 40$

Solve each of the following INEQUALITIES. Be sure to SHOW YOUR WORK!!!! (Chapter 7)

- $a + 8 > 16$
- $-1 > \frac{b}{3}$
- $-28 < -4x$
- $8(2 + x) > 3(x - 3)$
- $8y - 15 < 27 + 2y$