

## Assignment

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

Evaluate each expression.

$$1) 18 \div -3 - (4)((2)(4 - 1))$$

$$\text{ } -30$$

$$2) (2)(-1 - ((3)(2)) + (-3 - -2))$$

$$\text{ } 10$$

$$3) 2\frac{1}{4} \div \left( \left( (2) \left( 3\frac{3}{4} \right) \right) \left( \frac{1}{3} \right) \right)$$

$$\text{ } \frac{9}{10}$$

$$4) -3\frac{1}{5} \div -2 - \left( \frac{1}{5} \right) \left( \frac{-7}{4} \right)$$

$$\text{ } \frac{39}{20}$$

$$5) \frac{(21)(3)}{(14 - 11)^2}$$

$$\text{ } 7$$

$$6) (3) \left( 7 - \frac{(25)(3)}{15} \right)$$

$$\text{ } 6$$

Solve each inequality.

$$7) -2x - 4(x + 3) > -12 - 6x$$

$$\text{No solution. : } \begin{array}{c} \leftarrow \text{---} 10 \text{---} 12 \text{---} 14 \text{---} 16 \text{---} 18 \text{---} 20 \text{---} \rightarrow \end{array}$$

$$8) 40 - 4n \leq 2n + 4(6n - 5)$$

$$n \geq 2 : \begin{array}{c} \leftarrow \text{---} -4 \text{---} -2 \text{---} 0 \text{---} 2 \text{---} 4 \text{---} 6 \text{---} \rightarrow \end{array}$$

$$9) -4 - 4r \geq -6(-r - 1)$$

$$r \leq -1 : \begin{array}{c} \leftarrow \text{---} -4 \text{---} -2 \text{---} 0 \text{---} 2 \text{---} 4 \text{---} \rightarrow \end{array}$$

$$10) -2n + 16 > -6 - 2(7 + 4n)$$

$$n > -6 : \begin{array}{c} \leftarrow \text{---} -10 \text{---} -8 \text{---} -6 \text{---} -4 \text{---} -2 \text{---} \rightarrow \end{array}$$

Simplify each expression.

$$11) -7(a + 10) - 3(1 + a)$$

$$\text{ } -10a - 73$$

$$12) 2(-12 + 4m) - 8m(-12m + 1)$$

$$\text{ } -24 + 96m^2$$

$$13) -10x(3 - 5x) + 12x(x + 6)$$

$$\text{ } 42x + 62x^2$$

$$14) -3(x + 9) - 5(5 + 9x)$$

$$\text{ } -48x - 52$$

# Infinite Algebra 1 One Step Inequalities Answers

**J Ma**



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web dynamics of circular motion we know that circular motion can be both uniform and non uniform if the tangential component of acceleration is absent it will be uniform circular motion and if the tangential component of acceleration is present it will be non uniform circular motion

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web dec 4 2021 pre medical physics allen illustration 9 at a particle is moving in a circular orbit with a constant tangential acceleration starting from rest after 2 s of the beginning of its motion angle between the acceleration vector and the