

## Pre-Algebra Summer Assignment

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

**This assignment is for students who are taking Pre-Algebra in the 2018-2019 school year.**

1) Did you read the instructions?

2) What math class are you taking in the 2018-2019 school year?

**Evaluate each expression. Do not use a calculator.**

3)  $-11 - -46$

4)  $-3 + 27$

5)  $-17 - -50$

6)  $-47 - -27$

7)  $-32 - 21$

8)  $-1 + 22$

9)  $11 - -21$

10)  $-8 + -26$

11)  $-21.8 - 5.25$

12)  $-9 - -18.816$

$$13) 7 + -\frac{1}{4}$$

$$14) \frac{1}{6} + -3\frac{3}{5}$$

**Find each quotient. Do not use a calculator.**

$$15) 63 \div -9$$

$$16) 16 \div -4$$

$$17) 9 \div -2.5$$

$$18) 6.3 \div -2.7$$

$$19) 2\frac{7}{9} \div \frac{16}{9}$$

$$20) \frac{9}{10} \div \frac{3}{2}$$

**Find each product. Do not use a calculator.**

$$21) -3 \times -7$$

$$22) -6 \times 2$$

$$23) -2.9 \times -0.2$$

$$24) -4.6 \times 4.6$$

$$25) -\frac{12}{7} \times -\frac{1}{5}$$

$$26) 3\frac{1}{4} \times -1\frac{2}{7}$$

**Solve each equation. Do not use a calculator.**

$$27) x - 11 = -12$$

$$28) 4 = v + 4$$

$$29) 10 = \frac{x}{2}$$

$$30) -13 = k - 17$$

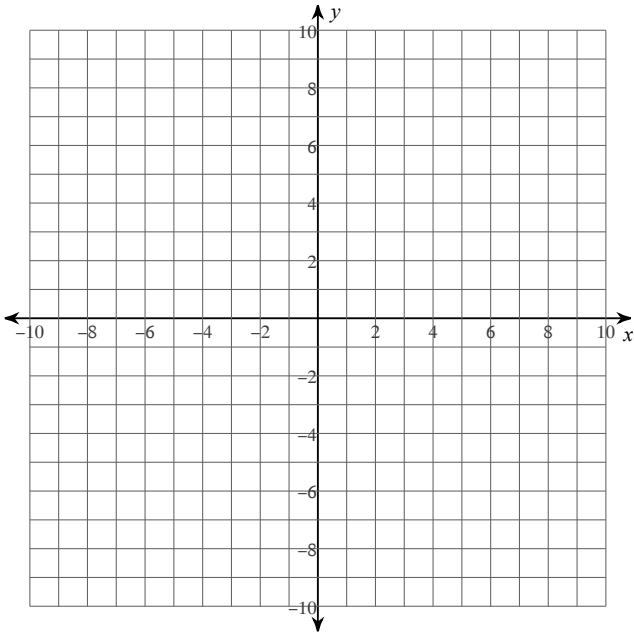
$$31) -6 = m - 9$$

$$32) -\frac{6}{25} = \frac{3}{5}p$$

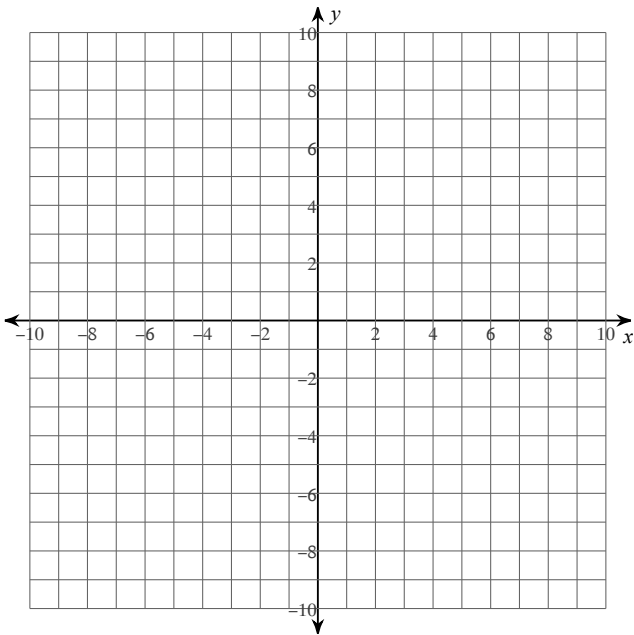
$$33) 14.5 = x - 3.7$$

**Plot each point.**

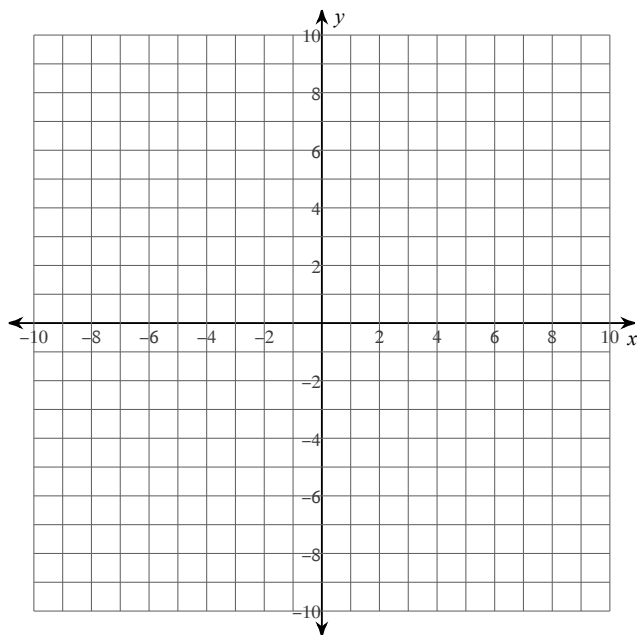
- 34)  $F(10, 4)$     $E(1, -1)$     $D(-9, 10)$   
 $C(1, -2)$     $B(10, 9)$



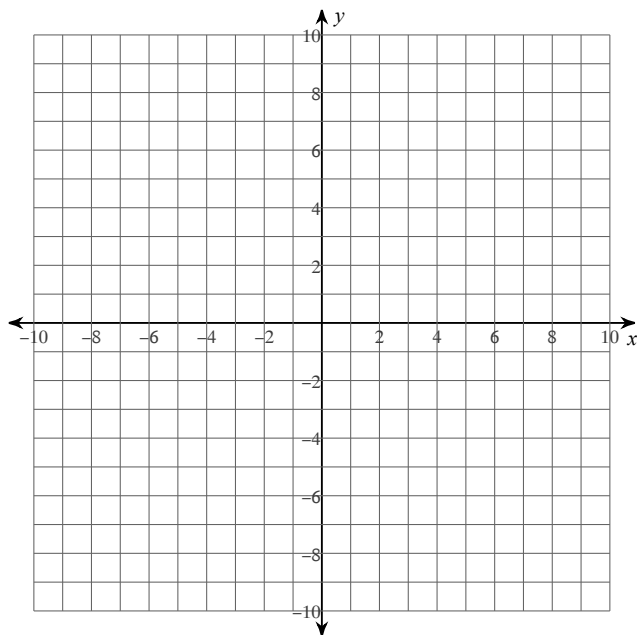
- 35)  $H(0, -6)$     $I(2, 5)$     $J(10, -6)$   
 $K(6, 5)$     $L(-6, -3)$



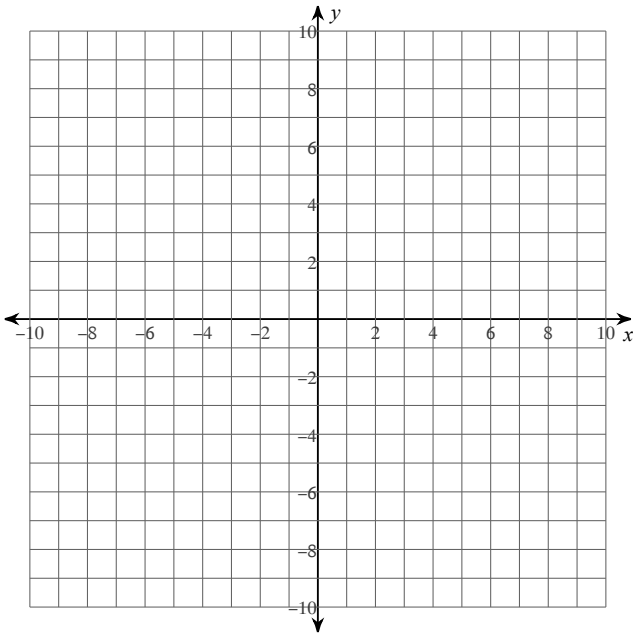
36)  $I(8, 3)$     $J(-4, 5)$     $K(6, 10)$   
 $L(2, -9)$     $M(10, 0)$



37)  $G(1, -1)$     $H(-9, -6)$     $I(8, 10)$   
 $J(-7, -9)$     $K(-9, 2)$

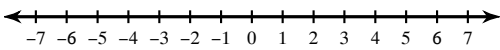


38)  $E(5, -1)$   $F(-3, 6)$   $G(7, -10)$   
 $H(8, 2)$   $I(-8, 6)$

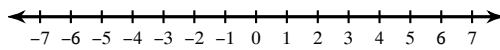


**Draw a graph for each inequality.**

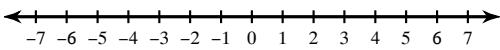
39)  $r \geq 1$



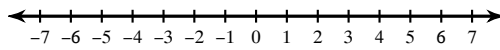
40)  $x \geq -4$



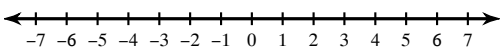
41)  $r > -6$



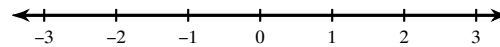
42)  $x \geq -5$



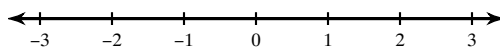
43)  $x > -2$



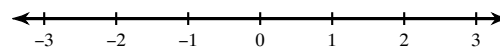
44)  $n < -2\frac{1}{2}$



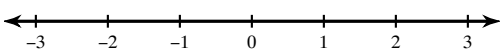
45)  $x \leq \frac{3}{2}$



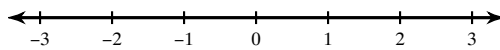
46)  $n \leq -1\frac{1}{2}$



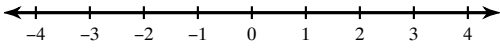
47)  $x \geq 2\frac{1}{2}$



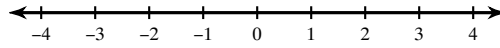
48)  $x \geq -2$



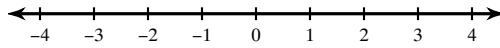
49)  $x \geq 2.2$



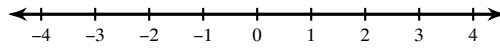
50)  $r \leq -1.126$



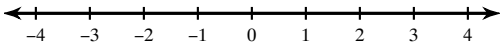
51)  $x \leq -0.7$



52)  $n < 1.94$



53)  $m > -0.2$



**Evaluate each expression. Do not use a calculator.**

54)  $12 \div (5 - 1)$

55)  $2^2 + 1$

56)  $(10 \times 2) \div 4$

57)  $3 - ((-8) - 9 - 5)$

58)  $(-9) + 7 - ((-10) - 4)$

59)  $-\frac{15}{(-10) - 3 - (-10)}$

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

61)  $2 \times \left(\left(-2\frac{1}{4}\right) \div 1\frac{1}{2}\right) \times \left(\frac{-1}{2}\right)$