

HW Equations and Inequality Review (Handwritten only. Please show me all steps)

Name: **Section:**

Solve and Graph the Inequality

1) $\frac{12}{13}x < -32$

2) $2m < 12$

3) $\frac{20}{17} + y > -10$

4) $10 < 30 + m$

5) $x + 4.6 \leq -9$

6) $9 + x \leq -19$

7) $50 \geq 12 + y$

8) $31 \geq 3 - m$

9) $\frac{x}{9} < 12$

10) $15x > -40$

Word Sentences for Equations and Inequalities

11) A number y plus 8 equals 15.

12) A number a is 7 less than b .

13) Three times a number x is 21.

14) A number plus 4 is greater than 10.

15) A number a is 7 more than b .

Factor each expression using the GCF:

16) $18 + 36n$

17) $20 + 45x$

$$18) 16y + 24$$

$$19) 30m + 50$$

$$20) 12a + 60$$

Solve Equations

$$21) 8+m = 40$$

$$22) 8m = 40$$

$$23) -75 = 6y$$

$$24) \frac{23}{m} = 22$$

$$25) \frac{-1}{7} = \frac{7}{3m}$$

$$26) \frac{-1}{3a} = \frac{11}{4}$$

$$27) \frac{28}{m} = 40$$

$$28) \frac{7}{10} = \frac{2y}{5}$$

$$29) x+7 = 10$$

$$30) x-10=16$$