

# Algebra 1 Quiz 1

32 points

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Show all work neatly and clearly. You will earn points for your work & correct answers. It is to your best interest to show all your work. Read the directions carefully and answer the question. Draw a box around your answer.

Solve:

1.  $x - 9 = 14$   
 $+9 +9$   
 $x = 23$

2.  $-61 = d + (-18)$   
 $+18 +18$   
 $d = -43$

3.  $88 = 125 - (-u)$   
 $88 = 125 + u$   
 $-125 -125$   
 $-37 = u$

4.  $\frac{3}{4} = w + \frac{2}{5}$   
 $-\frac{2}{5} -\frac{2}{5}$   
 $\frac{7}{20} = w$

5.  $\frac{x}{9} = 10 + 9$   
 $x = 90$

6.  $\frac{3}{4} = \frac{c}{24}$   
 $18 = c$

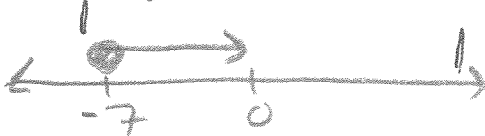
7.  $8h = 72$   
 $h = 9$

8.  $(3\frac{1}{4})p = 2\frac{1}{2}$   
 $\frac{13}{4} \cdot \frac{4}{13} p = \frac{5}{2} \cdot \frac{4}{13}$   
 $p = \frac{10}{13}$

9.  $-4j = 20$   
 $j = -5$

Solve and graph on a number line

10.  $t + 14 \geq 7$   
 $-14 -14$   
 $t \geq -7$



11.  $n - 7 < -3$   
 $+7 +7$   
 $n < 4$



Translate each equation into an equation

12. Two a number t decreased by eight equal seventy.

$2t - 8 = 70$

13. Five times the sum of m and n is the same as seven times n.

$5(m + n) = 7n$