

**CHAPTER 4 PRACTICE TEST**Name: key**(SECTION 1) Solve each equation using inverse operations.**

1.  $-13 + b = -20$

$b = -7$

2.  $42 = -6y$

$y = -7$

3.  $18 = u - (-10)$

$u = 8$

4.  $\frac{b}{5} = 2.5$

$b = 12.5$

5.  $\frac{5}{8}y = -\frac{13}{24}$

$y = -\frac{13}{15}$

6.  $\frac{3}{4} + u = 4\frac{1}{8}$

$u = \frac{27}{8}$

**(SECTION 2) Solve each equation using inverse operations.**

7.  $-5x + 17 = -8$

$x = 5$

8.  $28 = \frac{q}{4} + 19$

$q = 36$

9.  $\frac{w+26}{-3} = -20$

$w = 34$

10.  $-4(h+9) = 24$

$h = -15$

11.  $-15 = 18 - 3n$

$n = 11$

12.  $21 = \frac{4}{3}(z-12)$

$z = 27.75$

**(SECTION 3) Solve each inequality using inverse operations.**

13.  $88 > -15 + b$

$103 > b$

or

$b < 103$

14.  $-40 > 5y$

$-8 > y$

or

$y < -8$

15.  $\frac{u}{-8} \leq 9$

$u \geq -72$

16.  $-17 \leq 19 - 3x$

$12 \geq x$

or

$x \leq 12$

17.  $\frac{k}{3} + 11 > 7$

$k > -12$

18.  $2 > \frac{f-15}{-7}$

$1 < f$

or

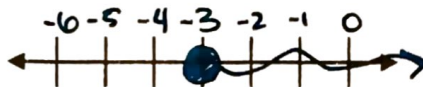
$f > 1$

(SECTION 4) Graph each of the following inequalities.

19.  $x < 5$



20.  $x \geq -3$



21.  $-4 < x$  \* must Flip so  
 $x > -4$  letter is first!



SECTION

Total SCORE :      / 21

SECTION 1: 1-STEP EQUATIONS

     / 6

SECTION 2: 2-STEP EQUATIONS

     / 6

SECTION 3: INEQUALITIES

     / 6

SECTION 4: GRAPHING INEQUALITIES

     / 3

\* If you get some wrong, PLEASE fix them & then check again. Once you're ready, write your score above. 😊