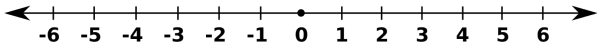
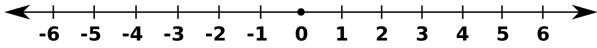


## Practice Sheet #3

Name \_\_\_\_\_

Solve. Show your work.

1. $28 \div (3 + 2^2) - 6^2 \div 3^2 \cdot \frac{1}{4} =$	6. $34.25 + 12.237 - 9.6$
2. $11^2 \cdot \frac{1}{11} + 144 \div (2^2 + 2^3)$	7. $g - 16 = -52$
3. $-20\frac{1}{2} + 14\frac{4}{5}$	8. $18 - 2x = 48$
4. $7\frac{2}{3} + (-15\frac{1}{5})$	9. Solve and graph. $9 > y + 14$ 
5. $43.06 + 122.1$	10. Solve and graph. $\frac{t}{8} \geq -0.3$ 

11. $2(3y - 5) = 14$	14. Solve when $x = 6$ . $7x - 14$
12. $\frac{x}{5} = 10$	15. $\frac{2}{3}n = 51$
13. $\frac{t}{4.3} = 0.32$	16. Let $y = (-18)$ . What is $x$ ? $3x - 6 = y$

17. Duval has a bag with 3 yellow baseballs, 2 orange baseballs, and 2 white baseballs. What is the probability of Duval NOT pulling out an orange baseball?

18. There were 54 passengers on a bus. The ratio of female passengers to male passengers was 4:5. Of the male passengers, 18 were adults. How many passengers were male children?

19. The number of students on a school basketball team is more than  $\frac{5}{8}$  of the number of members in other school clubs. If 25 students are on the basketball team, write and solve an inequality that represents  $m$ , the possible number of members in other school clubs.

20. You are hosting a banquet and have placed winning numbers below some of the dinner plates. The theoretical probability of having a winning number is  $\frac{2}{5}$ . There are 45 dinner plates. How many have a winning number?

21. Anna has an apple orchard. Today, she harvested  $27\frac{1}{3}$  bushels. At the end of each day, she will sell these apples to 5 different merchants. If the apples are split amongst the merchants evenly, how many bushels will each person receive?

22. There are 15 cars in the parking lot that are white and 25 cars that are *not* white. What is the theoretical probability of randomly selecting a car that is *not* white?

23. Tom plans to put one-half of his paycheck into his savings account and one-fourth of his paycheck into his checking account. He plans to spend one-eighth of his paycheck on new shoes and one-eighth of his paycheck on new books. How much will Tom spend on new shoes if his paycheck is \$416?

24. A paint color requires a green paint to yellow paint ratio of 4:9. A container of this paint has 36 pints of yellow paint. Write a proportion that gives the number  $g$  of pints of green paint in the container.

25. Sara has  $4\frac{3}{4}$  yards of red fleece fabric and  $2\frac{2}{3}$  yards of blue fleece fabric. How many more yards of red fleece than blue fleece does she have?