Write the word sentence as an inequality.   *(Section 8.1)*

1. A number x is greater than 0.

2. A number k is fewer than -2.

3. A number y divided by 3 is at most 15.

4. Twice a number c is at least 8.

Tell whether the given value is a solution of the inequality.   *(Section 8.1)*

5. $2n > 16$; $n = 9$

6. $x - 1 \leq 9$; $x = 10$

Graph the inequality on a number line.   *(Section 8.1)*

7. $n < 5$

8. $y > -4$

9. $m \leq \dfrac{3}{5}$

Solve the inequality. Graph the solution.   *(Section 8.2)*

10. $x + 4 \leq 8$

11. $18 > 16 + g$

12. $7 \leq p - 6$

13. $x - 12 > 12$

Write the word sentence as an inequality. Then solve the inequality.   *(Section 8.2)*

14. Two less than a number is more than 15.

15. Seven more than a number is less than or equal to 27.

16. **PARTY** At most 80 guests will attend a party. Write and graph an inequality to represent the number of party guests.   *(Section 8.1)*

17. **DELIVERY** You were planning to spend $12 on a pizza. Write and solve an inequality to represent the additional amount you must spend to get free delivery.   *(Section 8.2)*

PIZZA PALACE
FREE DELIVERY
for orders of $30.00 or more
516 E 31st   865-564

18. **WATER PARK** Each visit to a water park costs $19.95. An annual pass to the park costs $89.95. Write an inequality to represent the number of times you would need to visit the park for the pass to be a better deal.   *(Section 8.1)*

19. **COUPON** You have $40 and a $5 coupon. Write and solve an inequality to represent the regular price of a pair of jeans you can buy if you use the coupon.   *(Section 8.2)*