DATE:

Graph the inequalities on the number line.

1.
$$x > -2$$

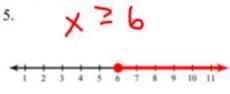


$$2. \quad g \leq 3$$



Write an inequality to represent the solution set.







x is a number no greater than 4

Select all of the following that are solutions to the inequality.

7.
$$x > -2$$

(A)
$$x = 4$$

(B)
$$x = -4$$

(C)
$$x = 2$$

(D)
$$x = -2$$

$$(E) x = 0$$

Graph the inequalities on the number line.

8.
$$4-3x > 19$$

 $-\frac{1}{2}$
 $-\frac{3}{2}$
 $-\frac{1}{3}$
 $-\frac{1}{3}$

Write an inequality to model the following. State what your variable represents.

11. There are at least 9 Star War movies.

Inequality



Variable

m = # of Star Wars movies

12. Bob has 30 lightsabers. He gets 4 lightsabers every week. He plans to collect lightsabers until he has more than 180 lightsabers. How long will he collect lightsabers.

Inequality

Variable

w = # of weeks