

2)  $4x + 1 - 1 \geq -8$   $x \geq -2$

test a point on either side in inequality  
I like 0!

$$4(0) + 1 - 1 \geq -8$$

$$0 + 0 \geq -8$$

$$0 \geq -8 \text{ true! } 0 \text{ is a solution!}$$

Shade!

boundary pt.

4)  $-6 > 5n + 5 + 4$   $x < -3$

test a point on either side  
I like 0!

$$-6 > 5(0) + 9$$

$$-6 > 9 \text{ not true!}$$

Shade other side.  
not side that includes 0!

boundary point.

6)  $2p - 4p \leq -2$   $x \geq 1$

test a point on either side.  
I like 0!

$$-2(0) \leq -2$$

$$0 \leq -2 \text{ not true!}$$

Shade other side.

boundary point.

8)  $3 - 2(n - 4) > -1$   $x < 6$

test a point on either side.  
Let's try 7!

$$3 - 2(7 - 4) > -1$$

$$3 - 2(3) > -1$$

$$3 - 6 > -1$$

$$-3 > -1 \text{ not true!}$$

Shade other side!!

boundary point.

10)  $-2(b + 1) + 4 < 10$   $x > -4$

test a point on either side.  
Let's use 0! My favorite!

$$-2(0 + 1) + 4 < 10$$

$$-2(1) + 4 < 10$$

$$-2 + 4 < 10$$

$$2 < 10 \text{ true!}$$

Shade the side that includes 0!

boundary point