Week 1 Block Day Warm Up

1. Solve and CHECK.

$$\frac{2x+1}{2}=\frac{x-4}{4}$$

This means plug your answer into the original equation and work out both the left and right sides until they look exactly like each other

$$\frac{2x+1}{2}=\frac{x-4}{4}$$

$x=-2$

Check:

$$\frac{2(-2)+1}{2}=\frac{(-2)-4}{4}$$

$$\frac{-4+1}{2}=\frac{-6}{4}$$

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

2. Which Property?

a) $-4\bullet-\frac{1}{4}=1$

inverse property of multiplication

b) $(7+3)+4=7+(3+4)$

associative property of multiplication

c) $8+0=8$

identity property of addition

3. To which number set(s) does each belong?

a) $\sqrt{36}$ natural whole integer- rational, real

b) -1.3 rational, real

c) 0 whole, integer, rational real

d) $-3.21221222122221\ldots$ irrational, real

4. Solve for *k*

$kw=q(4k-x)$

$kw=4qk-qx$

$kw-4qk=-qx$

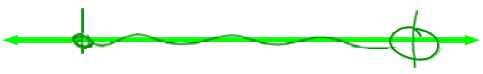
$k(w-4q)=-qx$

$\frac{k(w-4q)}{w-4q}=\frac{-qx}{w-4q}$

$k=\frac{-qx}{w-4q}$

5. Solve and graph on a number line

$$-1\le\frac{x-4}{2}<3$$



$2\le x<10$