**Comparing and Ordering Real Numbers**

Write the numbers in ascending order.

1. 0, $ -\sqrt{2}$, $\sqrt{5}$, $\frac{13}{4}$
2. 3, $\sqrt{10}, \frac{3}{4}, -1.5$
3. 2, $ -\frac{3}{7}, 0.75, -\frac{3}{2}$
4. Which list shows the numbers in increasing order?
5. -0.5, 1.5, -2, -0.75, $\sqrt{7}$ B) -0.5, -2, -0.75, 1.5, $\sqrt{7}$
6. -2, -0.75, -0.5, 1.5, $\sqrt{7}$ D) $\sqrt{7}, 1.5, -0.5, -0.75, -2$
7. Graph the numbers -0.2, $\frac{7}{10}, -1, \sqrt{2}, and-4$ on a number line.

-8 -7, -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7 8

6) Graph the numbers$ -\frac{3}{4}$,$ 5, \frac{9}{2}, -2, and-1$ on a number line.

-8 -7, -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7 8

7) Graph the numbers $-3, \frac{5}{2}, 2, -\frac{9}{4}, and 4$ on a number line.

-8 -7, -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7 8