Comparing and Ordering Real Numbers Worksheet

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?
   
   A) \(-0.5, 1.5, -2, -0.75, \sqrt{7}\)  
   B) \(-0.5, -2, -0.75, 1.5, \sqrt{7}\)  
   C) \(-2, -0.75, -0.5, 1.5, \sqrt{7}\)  
   D) \(\sqrt{7}, 1.5, -0.5, -0.75, -2\)

5) Graph the numbers \(-0.2, \frac{7}{10}, -1, \sqrt{2}\), and \(-4\) on a number line.

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

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