



**Simplify each of the following square roots.
Show your work!**

1. $\sqrt{18}$

2. $\sqrt{27}$

3. $\sqrt{8}$

4. $\sqrt{5}$

5. $\sqrt{28}$

6. $\sqrt{75}$

7. $\sqrt{45}$

8. $\sqrt{32}$

9. $\sqrt{36}$

10. $\sqrt{128}$

Comparing and Ordering Real Numbers

Write the numbers in ascending order.

1) $0, -\sqrt{2}, \sqrt{5}, \frac{13}{4}$

2) $3, \sqrt{10}, \frac{3}{4}, -1.5$

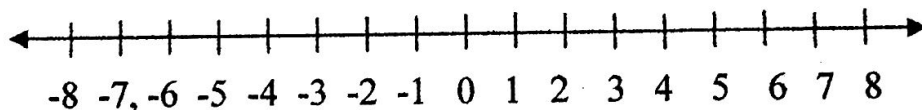
3) $2, -\frac{3}{7}, 0.75, -\frac{3}{2}$

4) Which list shows the numbers in increasing order?

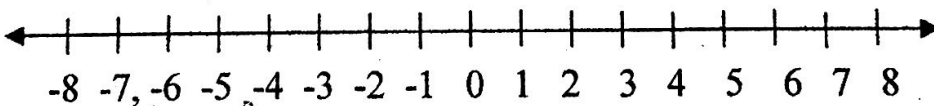
A) $-0.5, 1.5, -2, -0.75, \sqrt{7}$ B) $-0.5, -2, -0.75, 1.5, \sqrt{7}$

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.

