

Section 7.1 Extra Practice

1. Evaluate.

a) $|-42|$

b) $\left| \frac{-82}{3} \right|$

c) $|3.75|$

d) $\left| -1\frac{5}{6} \right|$

2. Order each set of numbers from least to greatest.

a) $|-4|, |-4.5|, |-3.9|, |-3|, |-4.1|$

b) $\left| -\frac{6}{5} \right|, \left| -\frac{6}{10} \right|, \left| -\frac{6}{15} \right|, \left| -\frac{6}{20} \right|, \left| \frac{6}{25} \right|$

3. Order each set of numbers from greatest to least.

a) $\left| -\frac{3}{4} \right|, |-1.2|, \left| -\frac{5}{3} \right|, |-0.6|, |-2.1|$

b) $\left| \frac{46}{2} \right|, -23, \left| -\frac{1}{23} \right|, \left| -\frac{2}{46} \right|, -2\left(\left| \frac{1}{23} \right| \right)$

4. Evaluate each expression.

a) $|-4 - 10|$

b) $|3 - 5(7)|$

c) $5(|-2|) + |-3|$

d) $-3\left(\left| \frac{4}{5} \right| \right)$

5. Determine the value of each absolute value expression.

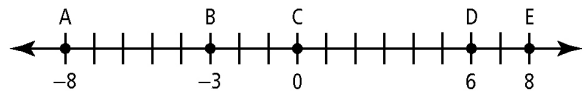
a) $|(-2)^3 - 2^3|$

b) $4\left(-2\left| \frac{3}{4} \right| \right) - \left(\left| \frac{-1}{4} \right| \right)$

c) $\left| 5\left(\frac{2}{3} \right) - 8\left(\frac{5}{6} \right) \right|$

d) $(|3^2 - 4^2|)^2$

6. Determine the distance between the specified values.



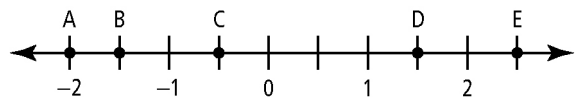
a) A and C

b) A and E

c) D and B

d) E and C

7. Determine the distance between the specified values.



a) A and C

b) E and B

c) C and D

d) B and D

