

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.

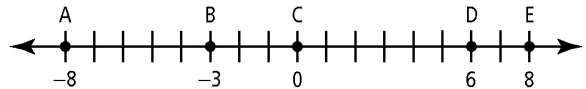
a) $|(-2)^3 - 2^3|$

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.



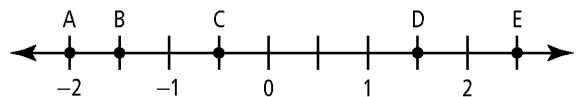
a) A and C

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

