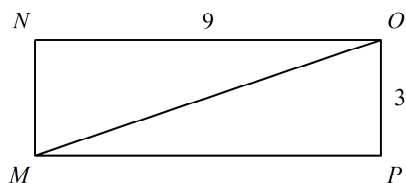


Algebra II Practice Quiz 1.3

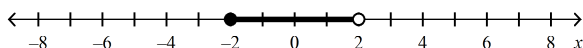
Numeric Response

1. (5 points) By the Pythagorean Theorem, the length d of a diagonal of a rectangle is given by $d = \sqrt{l^2 + w^2}$. Find the length of diagonal $\overline{MO}$ to the nearest tenth.



Short Answer

2. (5 points) Use interval notation to represent the set of numbers $-2 < x < 8$.
3. (5 points) Order the numbers 7 , $-\frac{4}{7}$, $\sqrt{8}$, 0.9597 , 3π from least to greatest.
4. (5 points) Write the interval shown on the number line.



5. (5 points) Estimate $\sqrt{39}$ to the nearest tenth.
6. (5 points) Simplify the expression $\sqrt{\frac{48}{147}}$.
7. (5 points) Simplify $\frac{\sqrt{11}}{\sqrt{6}}$ by rationalizing the denominator.
8. (5 points) Add.
 $19\sqrt{7} + 2\sqrt{7}$

Algebra II Practice Quiz 1.3

Answer Section

NUMERIC RESPONSE

1. 9.5

SHORT ANSWER

2. $(-2, 8)$
3. $-\frac{4}{7}, 0.9597, \sqrt{8}, 7, 3\pi$
4. $\{x | -2 \leq x < 2\}$
5. 6.2
6. $\frac{4}{7}$
7. $\frac{\sqrt{66}}{6}$
8. $21\sqrt{7}$