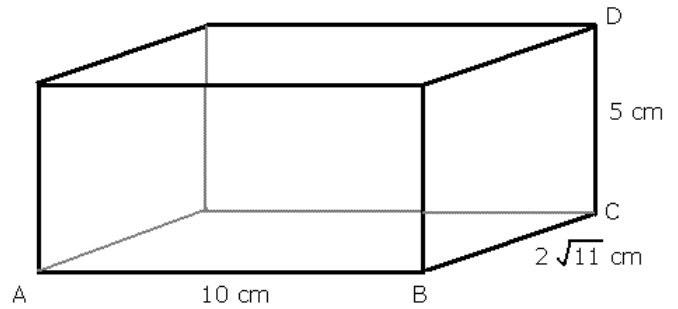
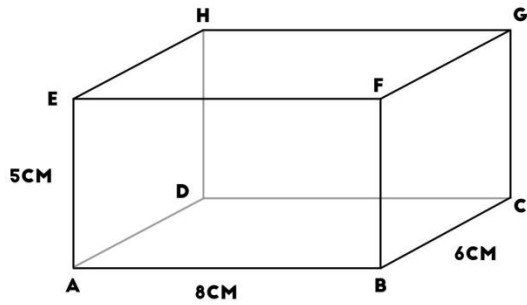


8 Review Day 7

For each of the prisms below, determine the length of the diagonal from the lower-left corner to the upper-right corner.



Order the numbers below from least to greatest.

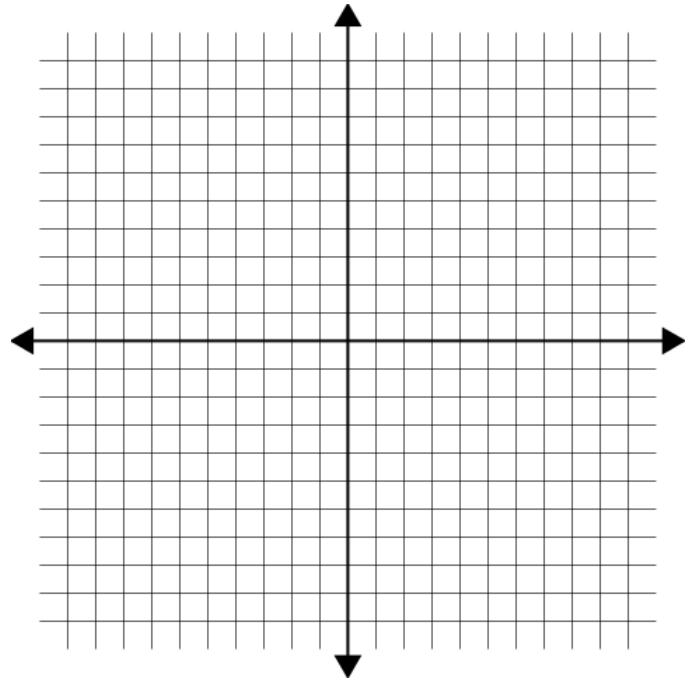
5 $\sqrt{24}$ $\sqrt{28}$ $\frac{36}{7}$ $8 \cdot \pi$ $\sqrt[3]{130}$ 5.1112223338

As Mr. Carlson frolics in a meadow, he receives a warning from the United States Air Force that his kite has entered restricted airspace 308 feet above the ground. The Air Force plans to shoot down MC's kite, causing it to fall straight downward and land in the meadow. Given that the kite string is 523 feet long, how far from MC will the kite land?

How far apart are the following sets of points? Feel free to plot them and draw a picture!

$(10, 7)$ and $(-1, 2)$

$(2, -8)$ and $(-6, 3)$



Provide a number between 7 and $\sqrt{50}$.

Provide a number between $\sqrt{36}$ and 6.1.

What is the area of a square with side length 14.3 meters? What is the perimeter of that square?

A cube's volume is 216 cubic miles. What is the length of the cube's sides? What is the cube's surface area?

Write an equation for the line that satisfies the properties listed below.

Proportional with Slope: $-\frac{8}{3}$

Horizontal passing through $(-22, 15)$