

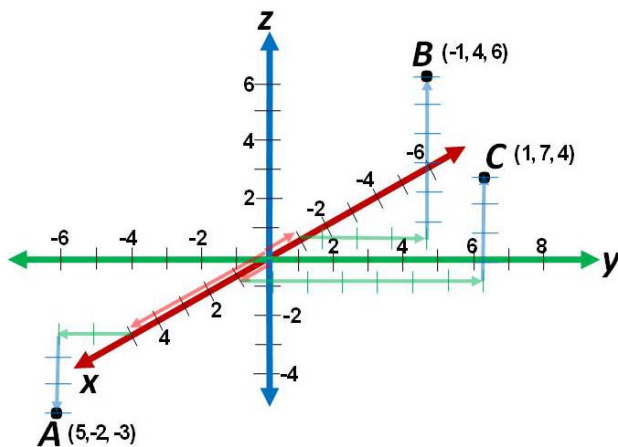
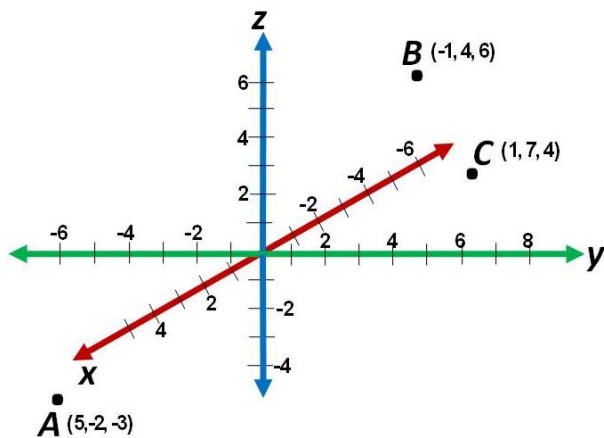
Self-Check for Tutorial 9

Graphing in 3-D

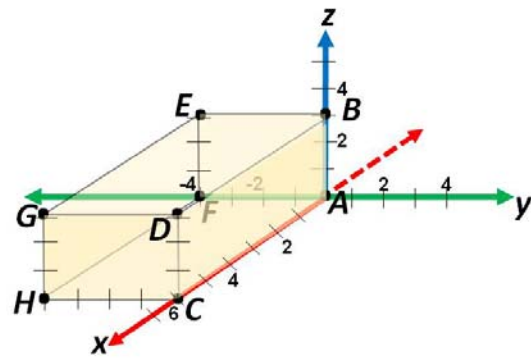
1. Draw a grid and plot each of the three points. (A) $(5, -2, -3)$; (B) $(-1, 4, 6)$; (C) $(1, 7, 4)$
2. Draw a grid. Draw a rectangular box where the opposite corners are the origin and the point $(6, -4, 3)$ and label all eight points. What is the volume of this rectangular box?
3. Sketch the equation $3x + 5y + 3z = 15$ and shade in the first octant. Tell where the graph crosses each axis.

Solutions for Self-Check for Tutorial 9 Graphing in 3-D

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(A) $(5, -2, -3)$; (B) $(-1, 4, 6)$;
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2. Draw a grid. Draw a rectangular box where the opposite corners are the origin and the point $(6, -4, 3)$ and label all eight points. What is the volume of this rectangular box?



Answer

$$V = 6 \times 4 \times 3$$

$$V = 72 \text{ cubic units}$$

Solutions for Self-Check for Tutorial 9 Graphing in 3-D

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