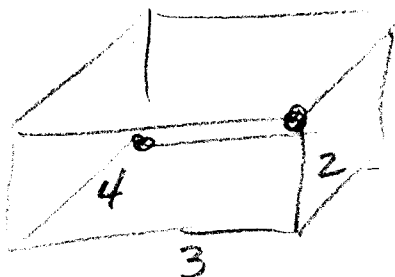


BE - Geometry 1 TUESDAY 4-26-11

- ① Name an ordered triple on the z axis (NOT $(0,0,0)$)
- ② Find the distance and midpoint between $(4,0,0)$ and $(-2,3,-1)$.
- ③ What is the surface area of a rectangular prism with vertices at $(0,0,0)$ and $(4,3,2)$?

① $(0,0,8)$ ② $d = \sqrt{46}$, mid $(1, \frac{3}{2}, -\frac{1}{2})$

③



$$2(3 \cdot 4) = 24$$

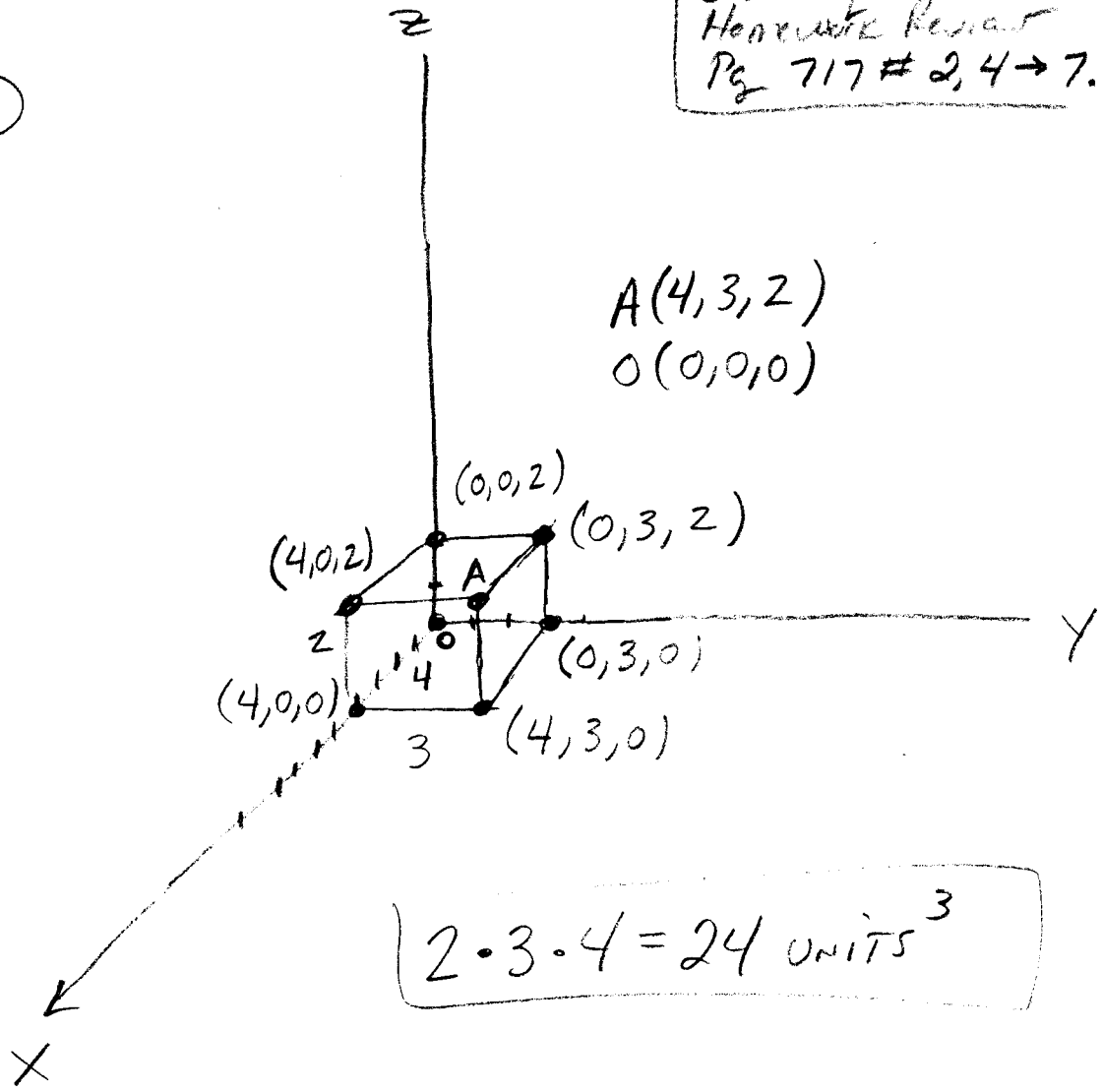
$$2(3 \cdot 2) = 12$$

$$2(2 \cdot 4) = 16$$

52 UNITS^2

• SINK 3D SUB!

②



↗ $(0, 0, 0), (1, 5, 7)$

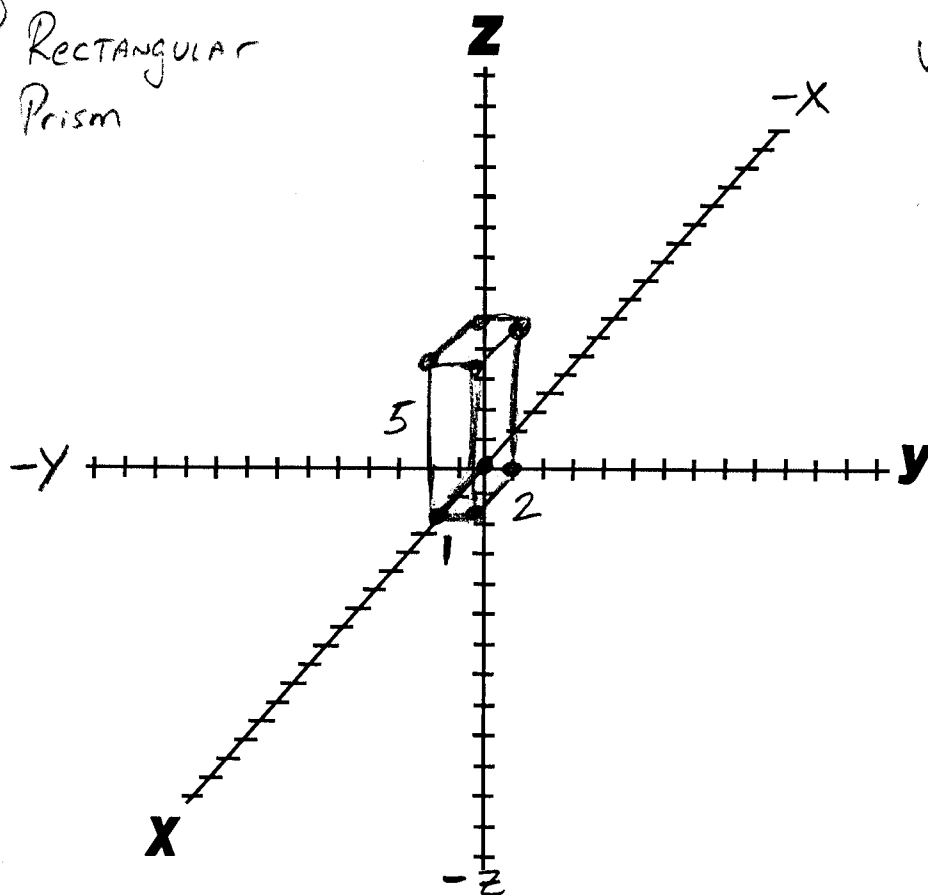
⑥ $d = 5\sqrt{3} \quad \text{Mid}(\frac{1}{2}, \frac{5}{2}, \frac{7}{2})$

⑦ $d = \sqrt{186} \quad \text{Mid}(1, -\frac{7}{2}, \frac{1}{2})$

↘ $(-3, -4, 6), (5, -3, -5)$

④ Rectangular Prism

Vertices $(0,0,0)$
 $(2,1,5)$



⑤

$V(-1,4,2)$
 $V(0,0,0)$

