Problem Set for lessons 13 and 14
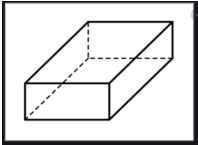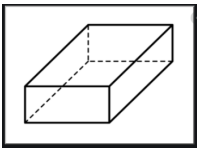
1. The volume of a rectangular prism is $\frac{21}{12}$ ft^3, and the height of the prism is $\frac{3}{4}$ ft. Determine the area of the base.
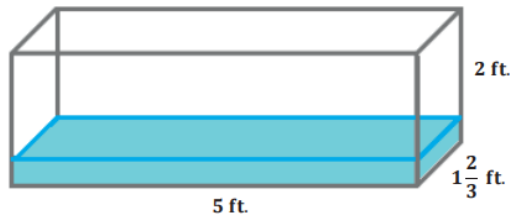
$$V=Bh$$

2. The volume of a rectangular prism is $\frac{10}{21}$ ft^3. The area of the base is $\frac{2}{3}$ ft^2. Determine the height of the rectangular prism.

$$V=Bh$$

3. Determine the volume of the space in the tank that still needs to be filled with water if the water is $\frac{1}{3}$ ft. deep.

$$V=Bh$$

2 ft.

$1\frac{2}{3}$ ft.

5 ft.