

What is a Tiny House?

<https://youtu.be/f2Z6YwQVPJk>

It is a movement where people are choosing to downsize the space they live in. The typical American home is around 2,600 square feet, whereas the typical small or **tiny house** is between 100 and 400 ft².

Why live in a Tiny House?

- It is much cheaper than a larger home.
- Many owners don't want a lot of space.
- It is a challenge, it is fun, and it can be an adventure!

There are several TV shows devoted to building, purchasing, and living in tiny houses.

How big do you think a 384 square foot tiny house is compared to your classroom? In Mr. Mangham's room the floor tiles are a 1 ft. by 1 ft. square.

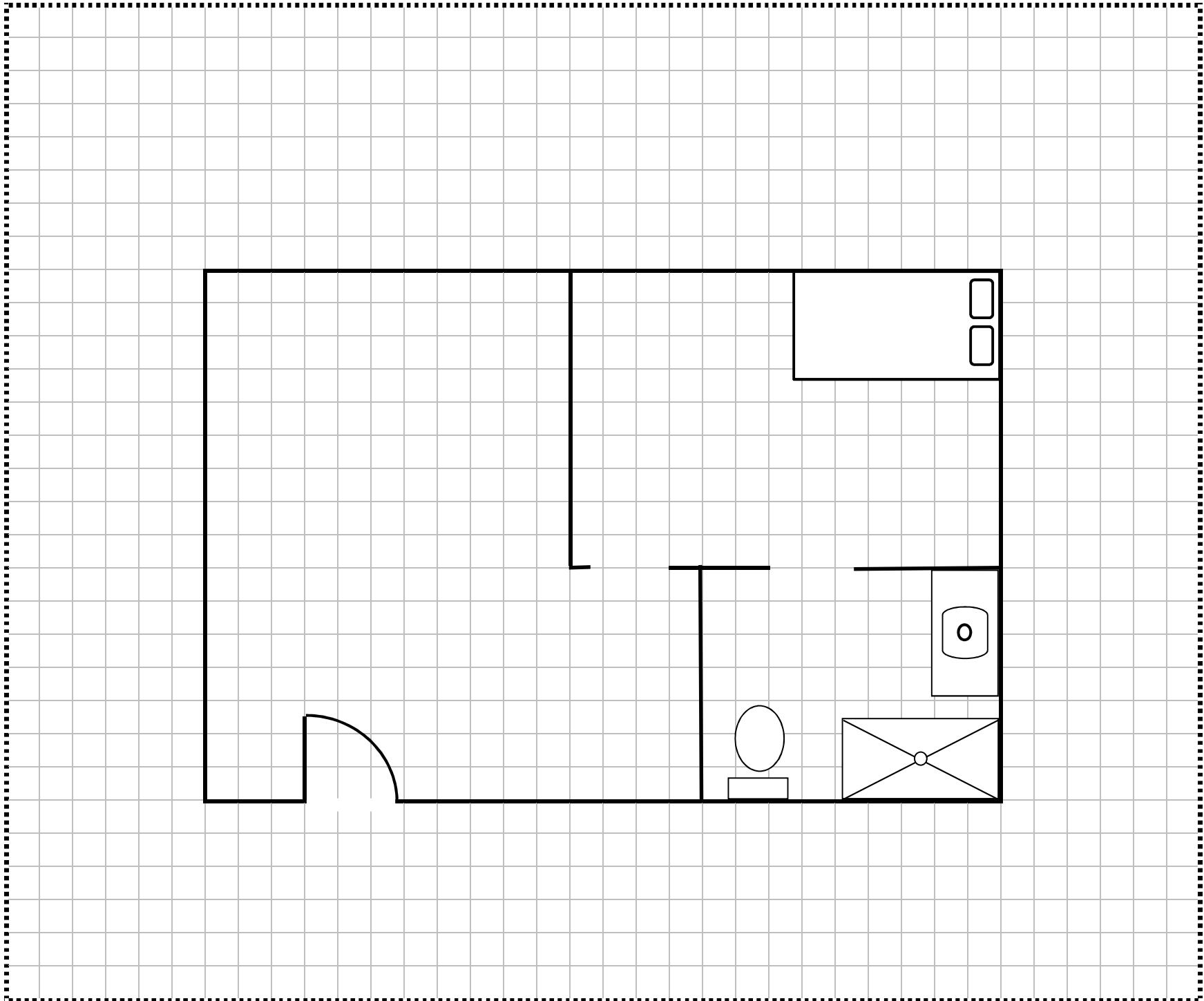
Use architecture templates and rulers on your final copy.

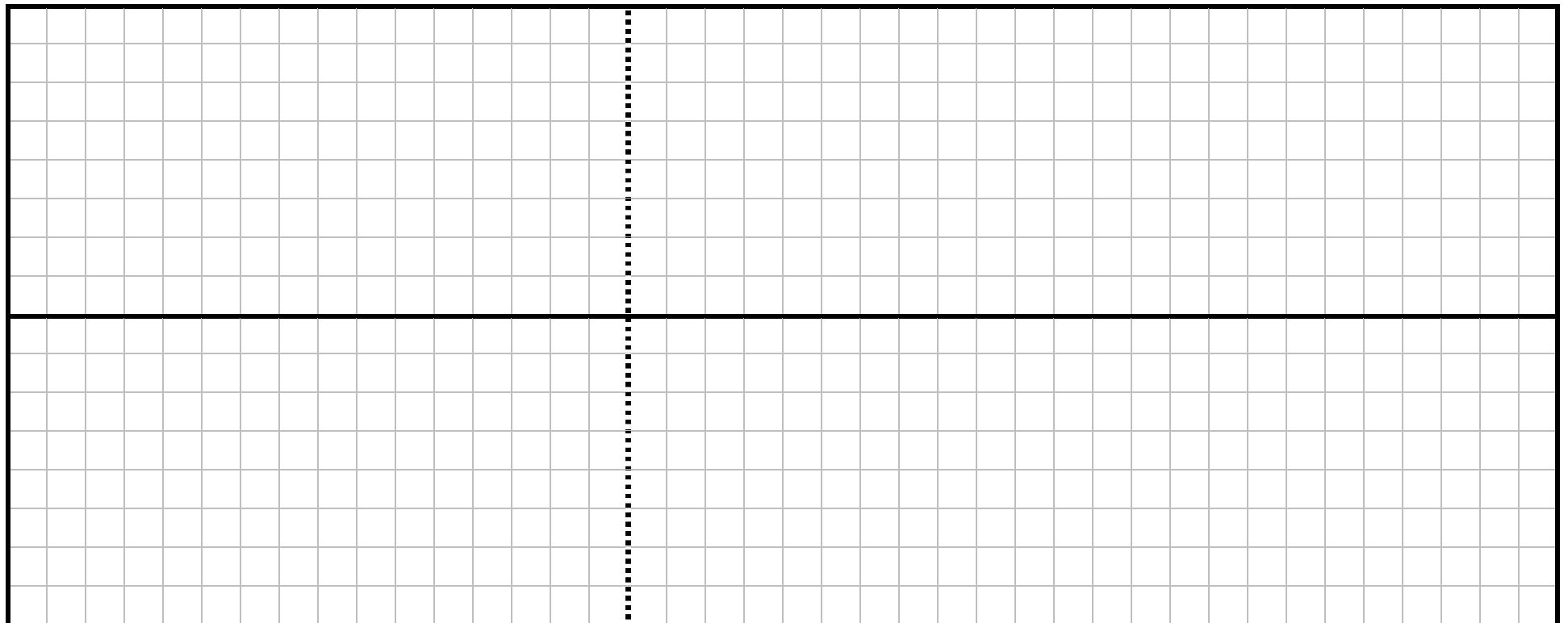
Your Tiny House will have 3 rooms: bedroom, bathroom, and living/dining/kitchen (great room).

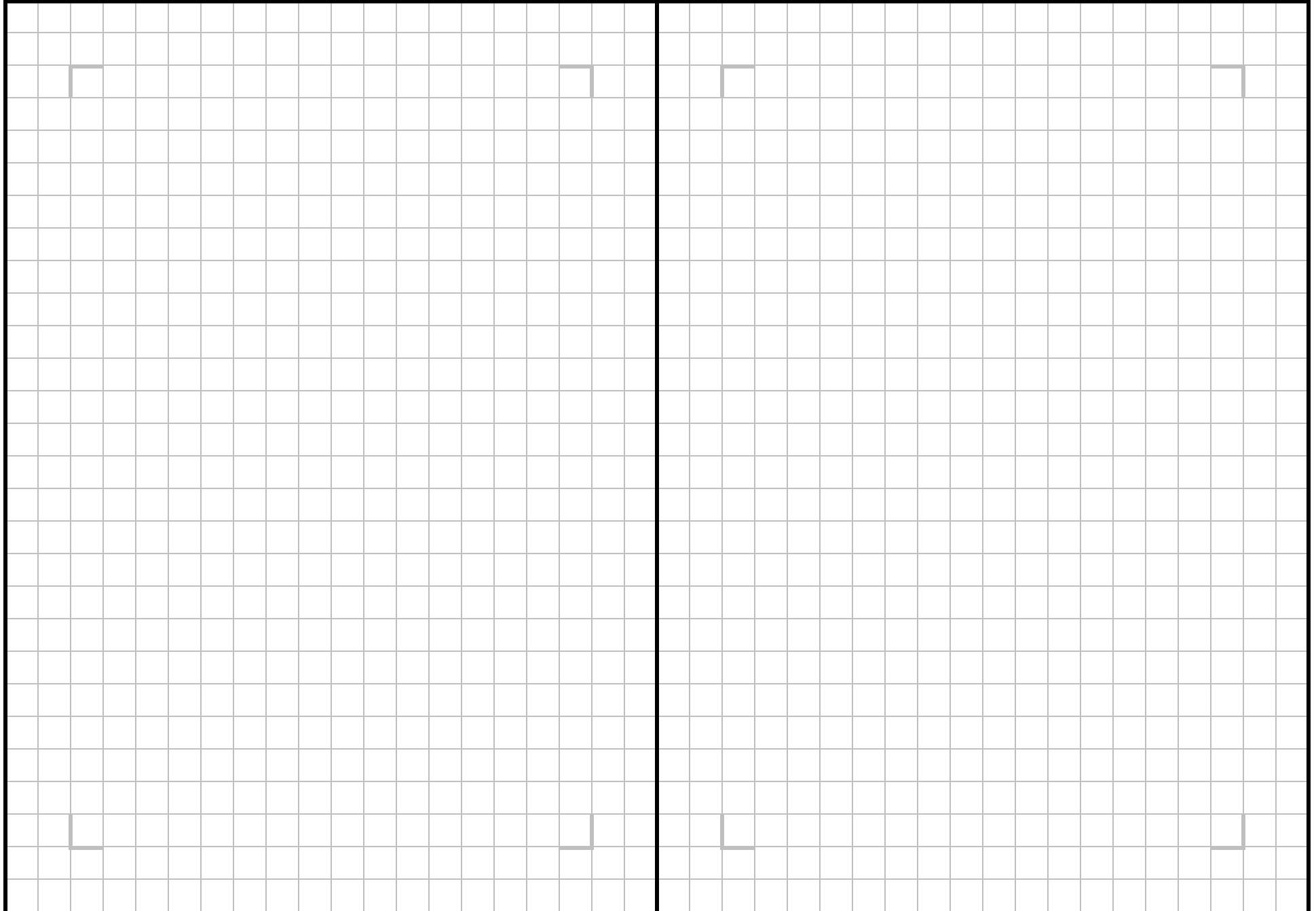
Items to include in your Tiny House. Look at the **Typical Dimensions** page for furniture sizes.

BATHROOM	BEDROOM	GREAT ROOM	
Shower or bathtub	Bed	Refrigerator	Couch, sofa, or recliner
Sink	Closet	Kitchen sink	Table with chairs
Toilet	Nightstand	Range	TV
Counter space		Microwave	Counter space
You will need a width of at least 2.5 feet to walk around your home.			
Make sure you can open all doors (ex. refrigerator, range, shower, etc.)			

On the walls:	Front door <i>(7 feet high)</i>	2+ windows <i>(Start 1 foot below the ceiling)</i>	Mirror	Picture/artwork relating to your favorite college or sports team		
On the ceiling:	Fans		Lights			
Exterior:	Choose a style: wood, stucco, log cabin, brick, etc.					
Other:	Use colored pencils. Add designs. Be creative.					







Below are some typical dimensions. You may have to design your furniture smaller to fit inside your tiny house.

TYPICAL FURNITURE DIMENSIONS

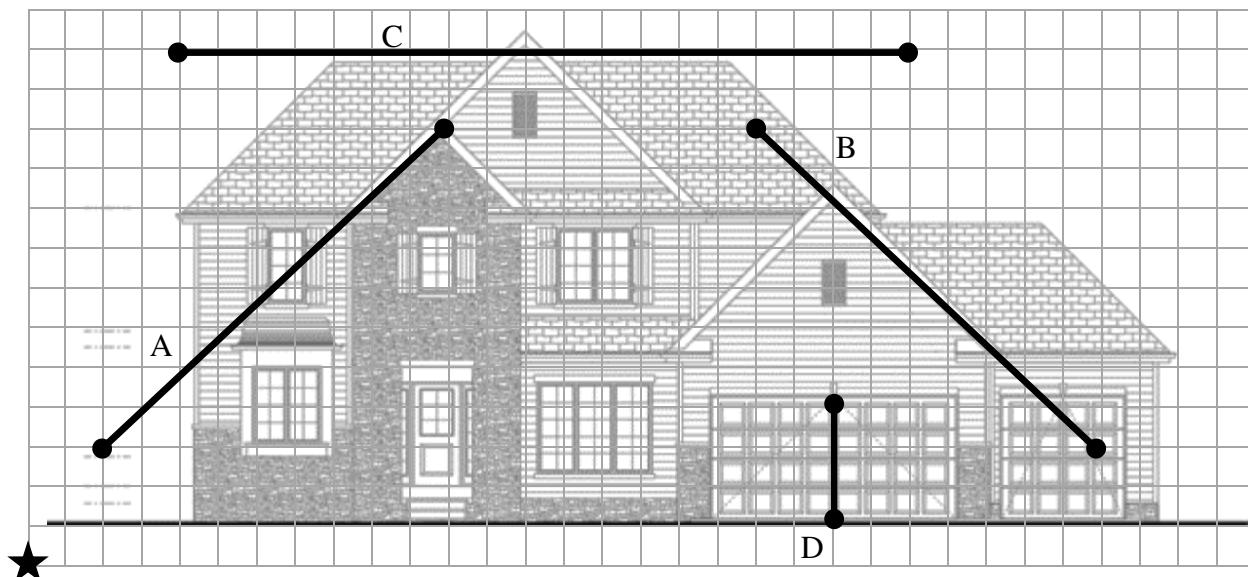
Furniture Piece	Typical Width (in)	Typical Length (in)	Typical Height (in) For drawing on the wall
Twin bed	39	75	27
Queen bed	60	80	27
Small dresser	20	37	30
Wardrobe/Closet	72	20	84
Nightstand	18	18	26
Small sofa	28	48	18 (seat), 36 (back)
Large sofa	36	112	18 (seat), 36 (back)
Living room chair	30	30	18 (seat), 36 (back)
Coffee table	24	45	29
Kitchen table	24	48	29
Kitchen chair	18	20	18 (seat), 36 (back)
Dining room table	30	72	29
Dining room chair	18	20	18 (seat), 36 (back)
Toilet	See template		18 (seat), 33 (back)
Sink	See template		30
Counter space	2 feet deep		36
Doors	2-3 wide		84
Windows	Start 1 foot below the ceiling		

Utilize your knowledge of linear equations while looking at elevation views of homes.

For the top house, find coordinates of the beginning and end of each line and then determine the slope.

For the bottom house, find coordinates of the beginning and end of each line and then write an equation in $y = mx + b$ form.

The star indicates the origin. Show all coordinates and work on a separate sheet of paper. Write answers on this page.

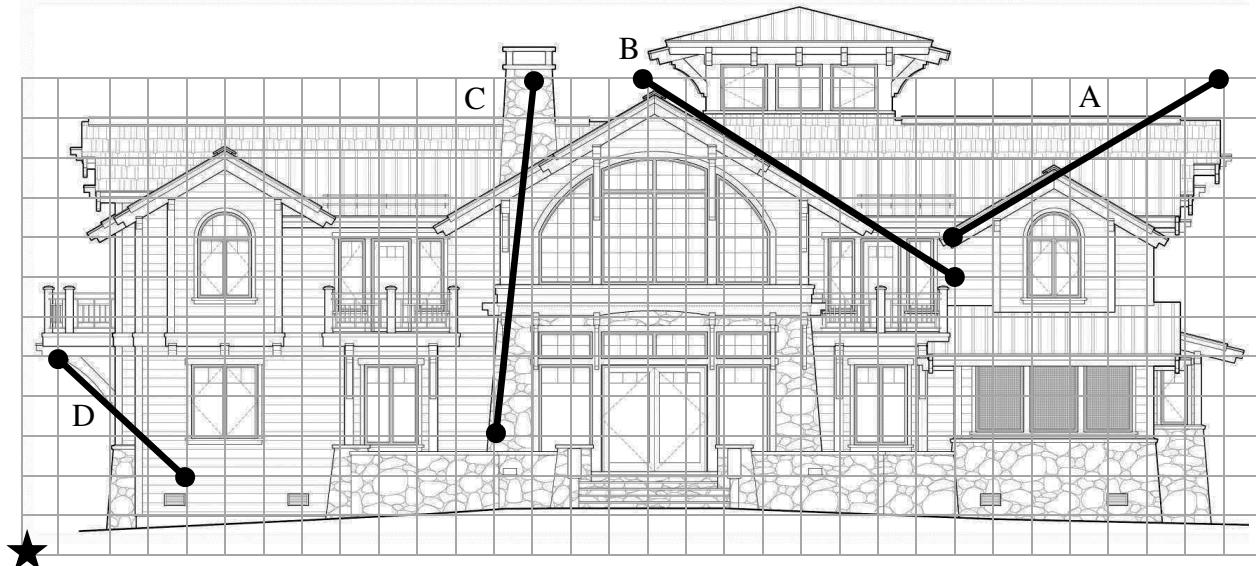


A

B

C

D



A

B

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