WARMUP $y = mx + b$

Page 554 #1, 2, 7, 8

Give an equation of each line described.

1. Slope $= -\frac{1}{2}$; y-intercept $= 5$

2. Slope $= \frac{3}{7}$; y-intercept $= 8$

7. y-intercept $= -3$; parallel to $y = -\frac{4}{5}x + 6$

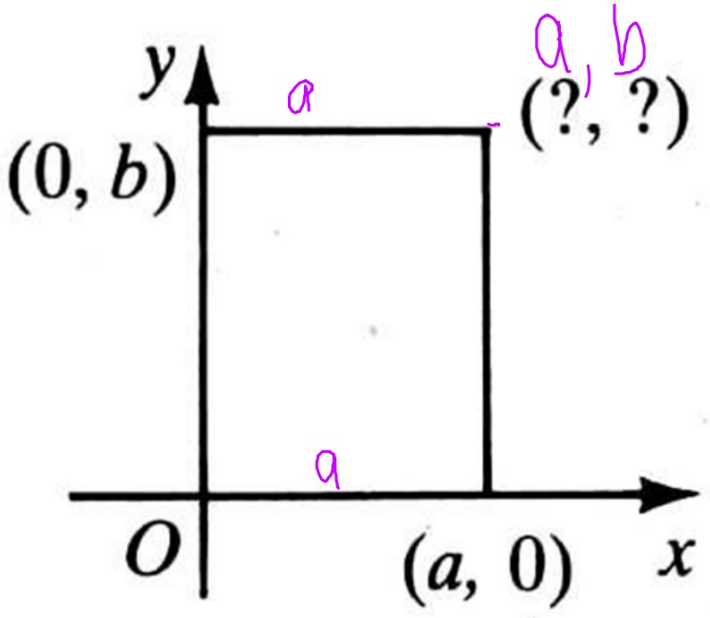
8. y-intercept $= 0$; perpendicular to $y = -\frac{7}{4}x + 9$

$y = \frac{4}{7}x + 0$

SECTION 13.8:
ORGANIZING COORDINATE PROOFS

Supply the missing coordinates without introducing any new letters.

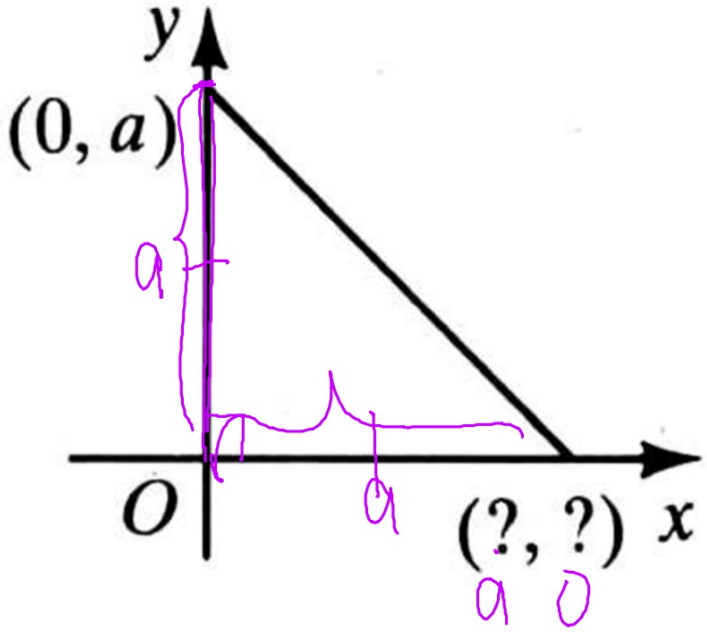
1. Rectangle



Answer

Supply the missing coordinates without introducing any new letters.

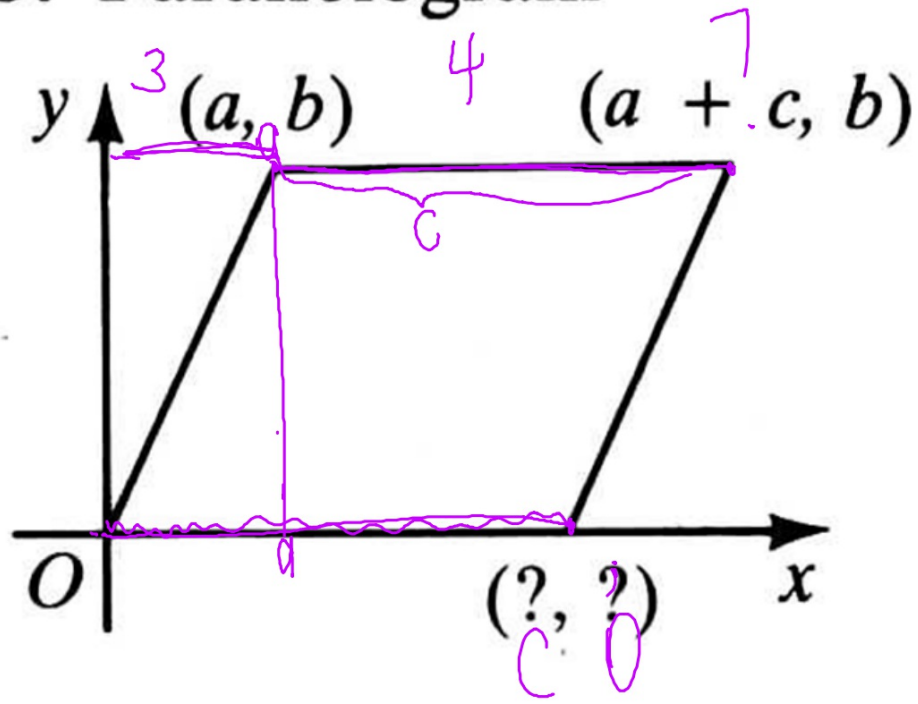
2. Isosceles right triangle



Answer

Supply the missing coordinates without introducing any new letters.

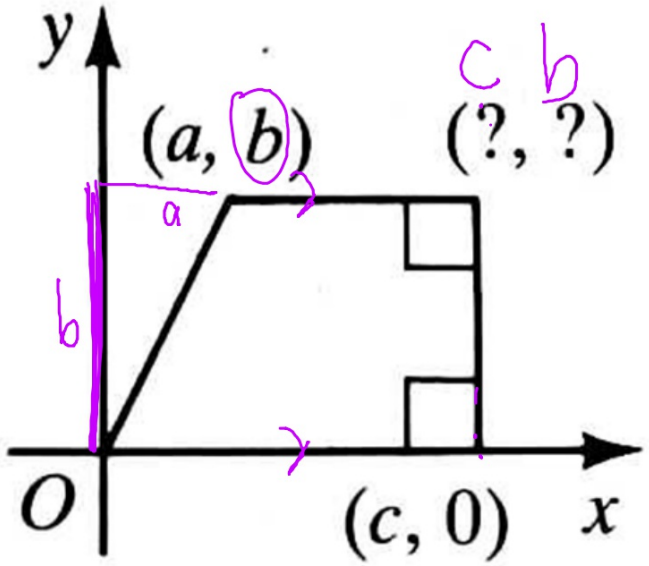
3. Parallelogram



Answer

Supply the missing coordinates without introducing any new letters.

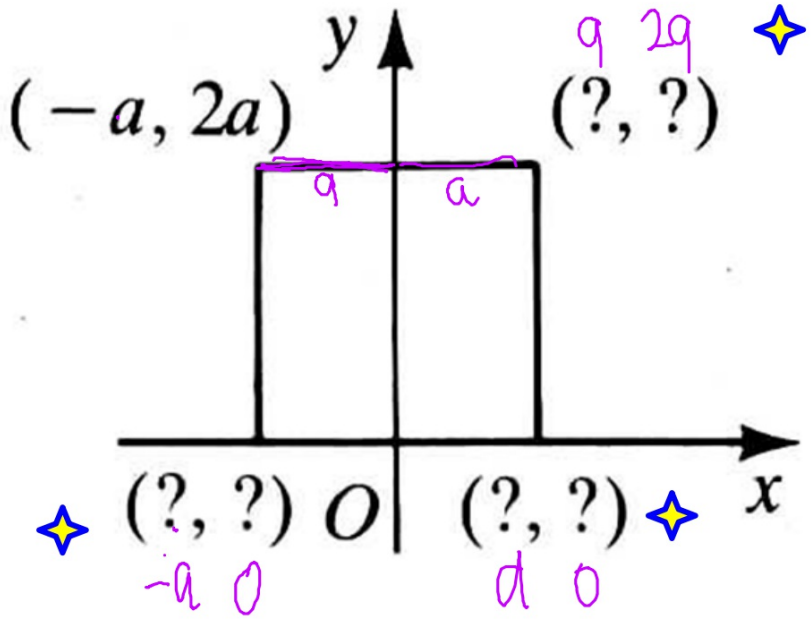
4. Trapezoid



Answer

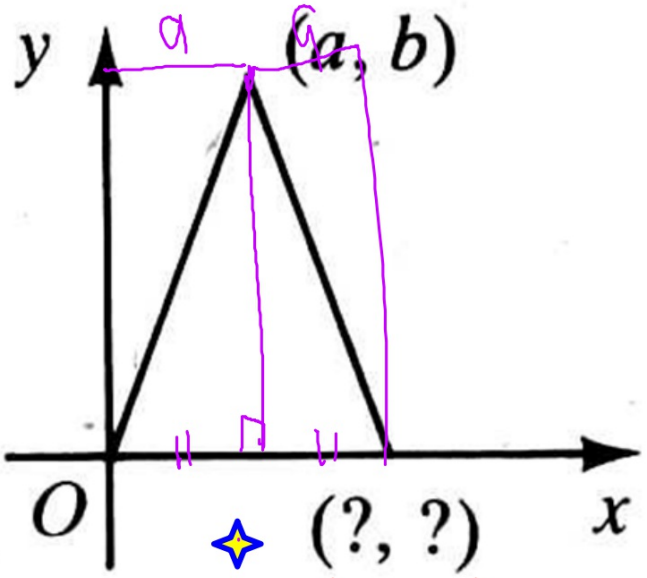
Supply the missing coordinates without introducing any new letters.

5. Square



Supply the missing coordinates without introducing any new letters.

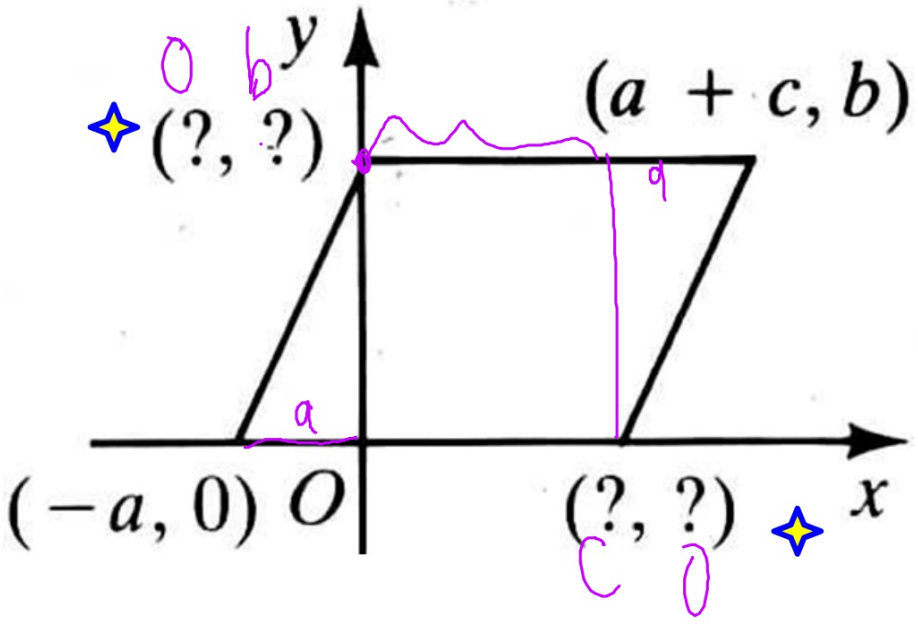
6. Isosceles triangle



(2a, 0)

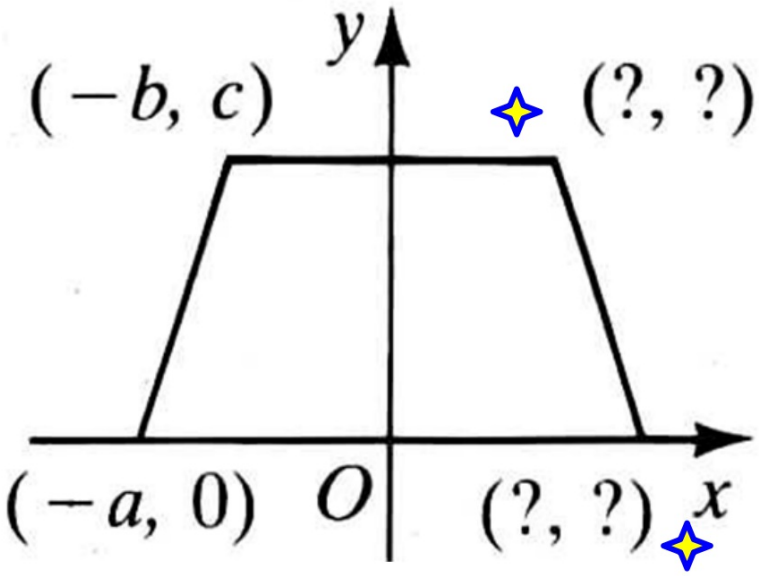
Supply the missing coordinates for each figure without introducing any new letters.

7. Parallelogram



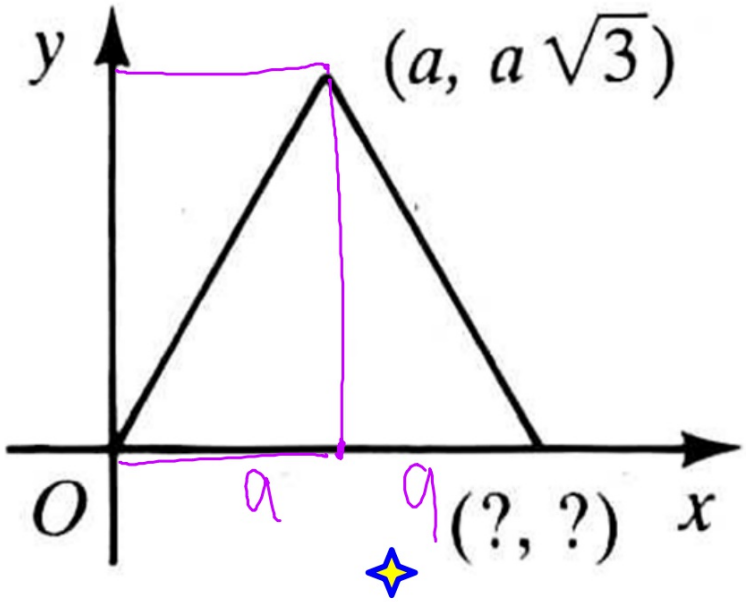
Supply the missing coordinates for each figure without introducing any new letters.

8. Isosceles trapezoid



Supply the missing coordinates for each figure without introducing any new letters.

9. Equilateral triangle



HOMEWORK

Assignment #13.8a

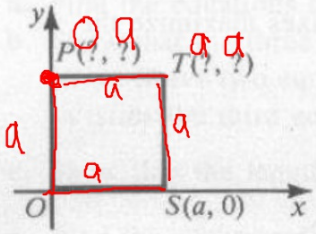
- Page 558 CE #1-6
- Page 558 WE #1-6
- Page 563 ST #1-8

Mon June 4th - Chapter 13 Quiz

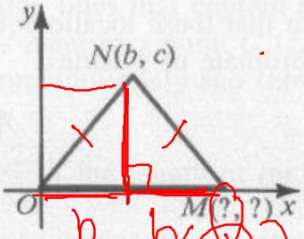
Wed June 8th - Chapter 13 Test

Supply the missing coordinates without introducing any new letters.

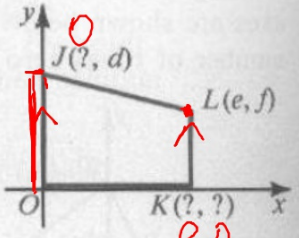
1. *POST* is a square.



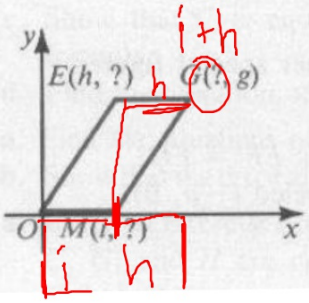
2. $\triangle MON$ is isosceles.



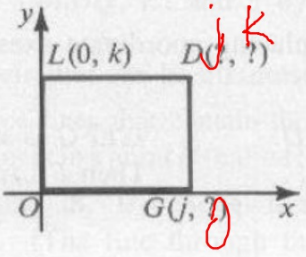
3. *JOKL* is a trapezoid.



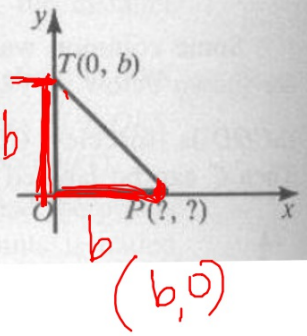
4. *GEOM* is a parallelogram.



5. *GOLD* is a rectangle.



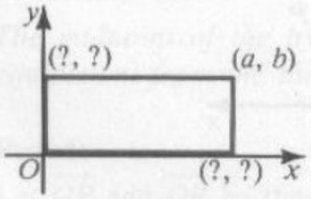
6. Rt. $\triangle TOP$ is isosceles.



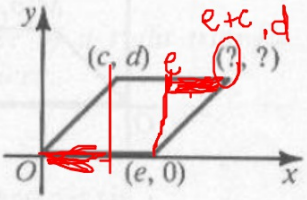
Written Exercises

Copy the figure. Supply the missing coordinates without introducing any new letters.

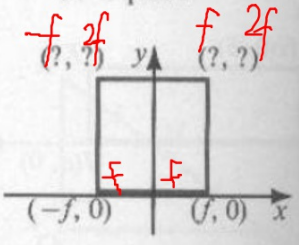
1. Rectangle



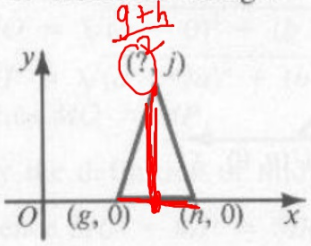
2. Parallelogram



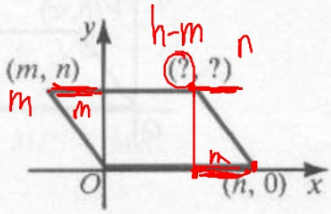
3. Square



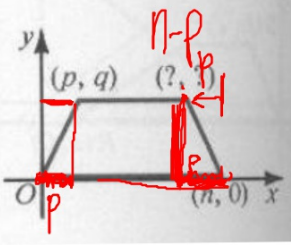
4. Isosceles triangle



5. Parallelogram



6. Isosceles trapezoid



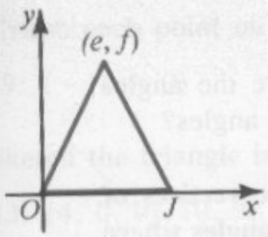
$\frac{g+h}{2}$

$\frac{3+7}{2}$

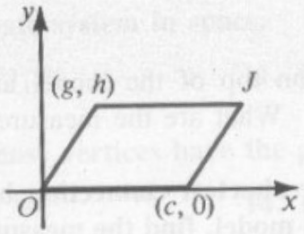
1. Find the slope and y-intercept of the line $2x - 5y = 20$.
2. Graph the line $2x + 3y = 6$.
3. Write an equation of the line through $(1, 2)$ and $(5, 0)$.
4. Write an equation of the horizontal line through $(-2, 5)$.
5. Find the intersection point of the lines $y = 3x - 4$ and $5x - 2y = 7$.

State the coordinates of point J without introducing any new letters.

6. Isosceles triangle



7. Parallelogram



8. Isosceles trapezoid