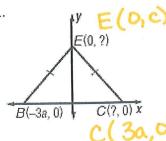
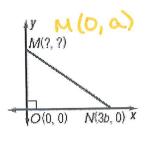
Practice Triangle Coordinate Geometry

Find the missing coordinates of each triangle.

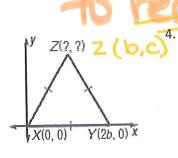
1.

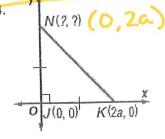


c) 2

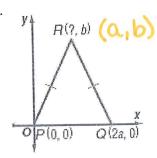


3

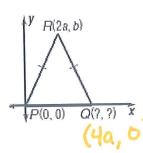




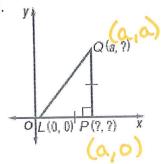
5.



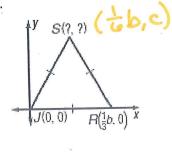
6.



7.



8

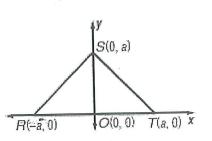


Use the triangle to the right to answer the following questions.

9. a). Find the slope of SR and ST.

b). What does this tell you about triangle RST?





c). Find the length of SR and ST.

d). What does this about triangle RST?

Right Isosceles Triangle

Given: isosceles $\triangle ABC$ with $\overline{AC} \cong \overline{BC}$ R and S are midpoints of legs \overline{AC} and \overline{BC} .

Find points S and R.

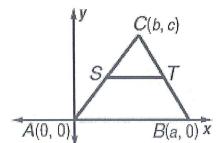
A(0, 0) B(4a, 0) x

S (3a, b)

R(a,b)

Stow work for credit

11. Given: $\triangle ABC$ S is the midpoint of \overline{AC} .
T is the midpoint of \overline{BC} .
Find S and T.



S(2, 2) T(bta 2) show work for credit

12. Katrina lives 6 miles east and 4 miles north of her high school. The mall is 2 miles west and 3 miles north of the school. Write a coordinate proof to prove that Katrina's high school, home and the mall form a right triangle.

1+ is a right A.

Show work for credit