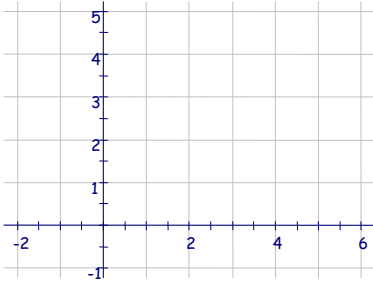


# Triangles

~ 1 ~

1.



Graph the points  $(0, 1)$ ,  $(2, 4)$  and  $(5, 1)$ . If they were connected to form a triangle, what point could  $(2, 4)$  be connected to so that an altitude is formed?

*Draw the triangles described using the segment given as the base. Draw and label the height and altitude for each. (2-4)*

2. An obtuse triangle with obtuse angle at A.



3. An acute triangle.



4. A right triangle with right angle at A.



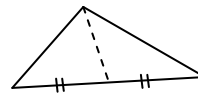
5. What is the relationship between a right triangle and its altitude?

6. An altitude is \_\_\_\_\_ to the base of a triangle.

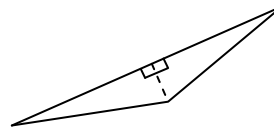
- A. parallel
- B. equal
- C. congruent
- D. perpendicular

True or False: The dashed line illustrates the altitude/height of the triangle. (7-12)

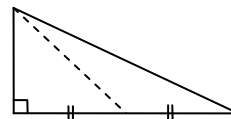
7.



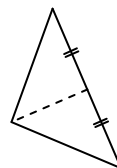
8.



9.



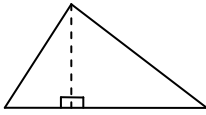
10.



Triangles

~ 2 ~

11.



12.

