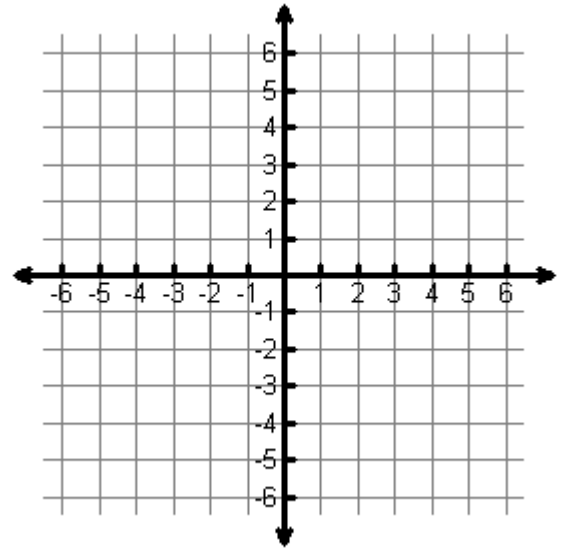


Using Distance to Classify Triangles Practice Worksheet

Name _____ Class Period _____

Part A

- Six Flags is centered at the origin of the grid.
 - Georgia Aquarium is located 6 units east and 4 units south.
 - Town Center Mall is located 6 units east and 4 units north.
1. Plot Six Flags. Label it as point A. What is the ordered pair? _____
 2. Plot the Georgia Aquarium. Label it as point B. What is the ordered pair? _____
 3. Plot Town Center Mall. Label it as point C. What is the ordered pair? _____
 4. Connect all three points.



Using the distance formula, find the distance (show all your work). Round to the nearest tenths.

5. AB

6. AC

7. BC

8. Classify the triangle (scalene, isosceles, or equilateral). _____

9. **Explain your reasoning:** _____

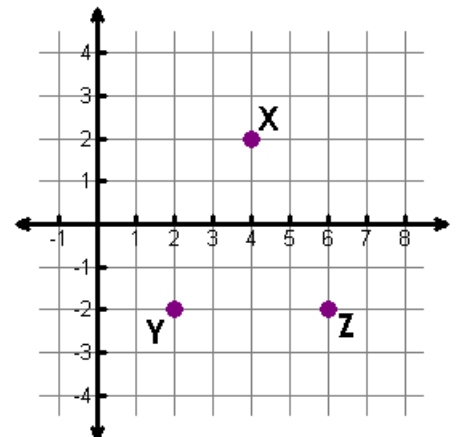
Part B

Find the lengths for each side of the triangle. Round to the nearest tenths.

10. XY

11. XZ

12. YZ

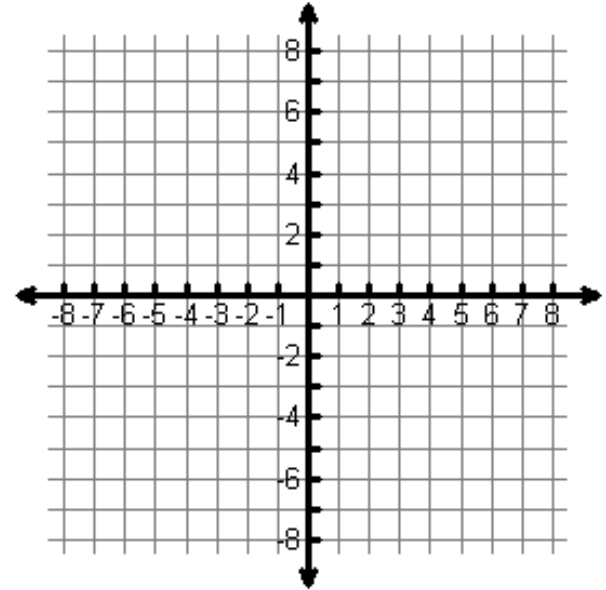


13. Classify the triangle (scalene, isosceles, or equilateral). _____

14. **Explain your reasoning:** _____

Part C

- *Disney World is centered at the origin of the grid.*
- *Panama City is located 4 units west and 4 units north.*
- *Gainesville is located 2 units east and 8 units north.*



15. Plot Disney World. Label it as point A. What is the ordered pair? _____

16. Plot Panama City. Label it as point B. What is the ordered pair? _____

17. Plot Gainesville. Label it as point C. What is the ordered pair? _____

18. Connect all three points.

**Using the distance formula, find the distance (show all your work).
Round to the nearest tenths.**

19. AB

20. AC

21. BC

22. Classify the triangle (scalene, isosceles, or equilateral). _____

23. **Explain your reasoning:** _____