

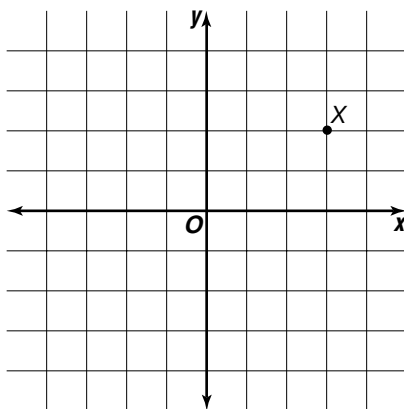


Name _____ Date _____

Chapter 9 Review

Coordinate Treasure Hunt

Starting at point X on the coordinate plane below, follow the directions to find the location of a hidden treasure. Record your location at each point.



1. Draw a triangle with vertices at X , $Y(3, -1)$ and $Z(0, -1)$. What is the measure of angle XZY ?
2. To the nearest tenth, what is the length of the hypotenuse of this triangle?
3. From point Z draw a segment to $W(0, 3)$ and from W , draw a segment to $R(-2, 3)$. To the nearest tenth, what is the measure of $\angle RZ$?
4. From point R , move 6 units south (or down). Where are you now?
5. From there, move 3 units east (or right) to find the treasure. What are the coordinates of the hidden treasure?
6. To the nearest tenth, how far is the treasure from point X ?

Answers are located on page 122.