

Measurement Topic: Geometry: Coordinate Systems: Step 3

Learning Target:

- Is skilled at completing proofs using coordinate geometry.

Knows the terms:

- Pythagorean Theorem, Distance Formula, Slope, Midpoint Formula

Skill	Evidence	Date To be Completed by	Completed On
Knows coordinate geometry properties	3-Column Note taker		
Is skilled at plotting points	Choose 2 of the following: Worksheet A Worksheet B Worksheet C Worksheet D		
Understands how to use the distance formula	Choose 2 of the following: Worksheet E Worksheet F Worksheet G Worksheet H Worksheet I Worksheet J		
Understands how to use the midpoint formula	Choose 2 of the following: Worksheet K Worksheet L Worksheet M Worksheet N Worksheet O Worksheet P		

Understands how to use slope formula	Choose 2 of the following: Worksheet Q Worksheet R Worksheet S Worksheet T Worksheet U		
Understands slopes of parallel and perpendicular lines	Worksheet Z		
Understands how to find area of shapes on a coordinate plane	Worksheet X Worksheet Y		
Understands how to find perimeter of shapes on a coordinate plane	Worksheet V Worksheet W		
Review	Proof Packet		
Review	Practice Test		

Coordinate Proofs Test

1. You must know how to find slope between two points.
2. You must know how to find the distance between two points.
3. You must know how to find the midpoint between two points.
4. You need to know how to prove that shapes are:
 - a. isosceles triangles
 - b. right triangles
 - c. parallelogram
 - d. rectangle
 - e. square
 - f. rhombus
 - g. isosceles trapezoid
5. You must be able to find the perimeter of shapes on a coordinate plane.
6. You must be able to find area of shapes on a coordinate plane.
7. You need to know how to prove that lines are parallel and perpendicular.