TRIGONOMETRY
FABRIC REQUIREMENTS

**FABRIC REQUIREMENTS**

SC5333 GRAPE COTTON COUTURE
1 YARD

SC5333 BLUE COTTON COUTURE
2/3 YARD

SC5333 WAVE COTTON COUTURE
1/2 YARD

SC5333 ISLE COTTON COUTURE
1/2 YARD

SC5333 SPROUT COTTON COUTURE
1/2 YARD

SC5333 OZONE COTTON COUTURE
3/4 YARD

SC5333 SHELL COTTON COUTURE
1 YARD

SC5333 MELON COTTON COUTURE
2/3 YARD

SC5333 BRIGHT WHITE COTTON COUTURE
2 YARDS

BACKING AND BATTING
60 X 68”

**ALSO NEEDED:**

THREADS TO MATCH  •  SCISSORS  •  STRAIGHT PINS
ROTARY CUTTER  •  ACRYLIC RULER  •  MAT
### "Trigonometry"
**Quilt by Emily Herrick**

#### Materials

Size: Approximately 52” W x 60” H  
Skill Level: Intermediate

<table>
<thead>
<tr>
<th>Fabric</th>
<th>Yardage</th>
<th>Cutting</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>SC5333 Bright White</td>
<td>2 yards</td>
<td>(8) 4 1/2” x WOF - (68) 4 1/2” x 4 1/2”; (1) 4 1/2” x WOF - (2) 4 1/2” x 8 1/2”; (2) 8 1/2” x WOF - (8) 8 1/2” x 8 1/2”; (1) 12 1/2” x WOF - (1) 12 1/2” x 12 1/2”; (2) 8 1/2” x 12 1/2”;</td>
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<tr>
<td>SC5333 Shell</td>
<td>1 yard</td>
<td>(2) 4 1/2” x WOF - (10) 4 1/2” x 4 1/2”; (2) 4 1/2” x 8 1/2”; (1) 8 1/2” x WOF - (2) 8 1/2” x 8 1/2”; (1) 8 1/2” x 16 1/2”; (1) 12 1/2” x WOF - (1) 12 1/2” x 12 1/2”; (1) 4 1/2” x 12 1/2”;</td>
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<tr>
<td>SC5333 Grape</td>
<td>1 yard</td>
<td>(2) 4 1/2” x WOF - (1) 4 1/2” x 4 1/2”; (1) 8 1/2” x WOF - (1) 8 1/2” x 8 1/2”; (1) 4 1/2” x 8 1/2”; (8) 2 1/2” x WOF - For Binding</td>
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<tr>
<td>SC5333 Ozone</td>
<td>3/4 yard</td>
<td>(1) 4 1/2” x WOF - (9) 4 1/2” x 4 1/2”; (1) 8 1/2” x WOF - (2) 8 1/2” x 8 1/2”; (2) 4 1/2” x 8 1/2”; (1) 12 1/2” x WOF - (1) 12 1/2” x 12 1/2”; (1) 8 1/2” x 12 1/2”;</td>
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<tr>
<td>SC5333 Melon</td>
<td>2/3 yard</td>
<td>(1) 4 1/2” x WOF - (7) 4 1/2” x 4 1/2”; (1) 4 1/2” x 8 1/2”; (2) 8 1/2” x WOF - (3) 8 1/2” x 8 1/2”; (1) 8 1/2” x 16 1/2”; (1) 8 1/2” x 12 1/2”;</td>
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<tr>
<td>SC5333 Blue</td>
<td>2/3 yard</td>
<td>(1) 4 1/2” x WOF - (6) 4 1/2” x 4 1/2”; (2) 8 1/2” x WOF - (4) 8 1/2” x 8 1/2”; (1) 12 1/2” x 8 1/2”;</td>
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<tr>
<td>SC5333 Wave</td>
<td>1/2 yard</td>
<td>(2) 4 1/2” x WOF - (8) 4 1/2” x 4 1/2”; (1) 4 1/2” x 12 1/2”; (1) 8 1/2” x WOF - (1) 8 1/2” x 8 1/2”; (2) 12 1/2” x 8 1/2”;</td>
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<tr>
<td>SC5333 Sprout</td>
<td>1/2 yard</td>
<td>(2) 4 1/2” x WOF - (7) 4 1/2” x 4 1/2”; (1) 4 1/2” x 12 1/2”; (1) 8 1/2” x WOF - (1) 8 1/2” x 8 1/2”; (2) 4 1/2” x 8 1/2”;</td>
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<tr>
<td>SC5333 Isle</td>
<td>1/2 yard</td>
<td>(1) 4 1/2” x WOF - (5) 4 1/2” x 4 1/2”; (1) 8 1/2” x WOF - (1) 8 1/2” x 8 1/2”; (1) 8 1/2” x 8 1/2”;</td>
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**Also Needed:**

60” x 68” backing, 60” x 68” batting, threads to match, scissors, straight pins, rotary cutter, acrylic ruler, mat.
These following instructions will be used frequently when making this quilt. Refer to the instructions for each technique to construct each quilt section.

**HST: Half-Square-Triangle**
1.) Place two fabric squares right sides together.
2.) Stitch a diagonal line from corner to corner.
3.) Trim excess leaving 1/4" seam allowance.
4.) Open and press seam towards darker fabric.

**CST: Corner-Square-Triangle**
1.) Place a small square of fabric in the corner of a larger piece of fabric.
2.) Stitch a diagonal line from corner to corner.
3.) Trim excess leaving a 1/4" seam allowance.
4.) Open and press seam towards darker fabric.
5.) Size of base fabric will vary in size. Refer to the quilt assembly diagram when needed. Some blocks will require CST’s on two different corners.

**BIA: Birds in the Air**
1.) Begin with a HST unit and two white squares.
2.) Sew a white square to each side of the colored triangle.
3.) Place the pieced unit on top of a solid color square, right sides together.
4.) Stitch a diagonal from the outermost points as shown.
5.) Trim excess leaving a 1/4" seam allowance.
6.) Open and press seams towards the larger triangle.

**QUILT CONSTRUCTION**
The quilt is divided into several sections forming vertical rows. Each section is outlined by a bold line and labeled with a bold letter.

**A**
HST: Shell 8 1/2" x 8 1/2" and White 8 1/2" x 8 1/2"
CST: (3) White 4 1/2", Isle 4 1/2" and Melon 8 1/2"
BIA: Melon 8 1/2" x 16 1/2", Blue 8 1/2" and Grape 4 1/2"
Sew sections A-E together to form a vertical row.
Sew sections F-I together to form vertical row #2.

**J**

CST: White 8 1/2" x 12 1/2", Melon 8 1/2", Ozone 4 1/2"
CST: Ozone 8 1/2" x 12 1/2", White 8 1/2", Grape 4 1/2"

**K**

HST: Shell 4 1/2", Melon 4 1/2", Grape 4 1/2", Isle 4 1/2", (4) White 4 1/2"
CST: Sprout 4 1/2" x 12 1/2" and White 4 1/2"
CST: Wave 4 1/2" x 8 1/2" and White 4 1/2"
CST: Wave 4 1/2" x 12 1/2" and White 4 1/2"

**L**

HST: (2) Grape 4 1/2", Melon 4 1/2", Shell 4 1/2", Wave 4 1/2", (5) White 4 1/2"
HST: Blue 4 1/2" and Melon 4 1/2"
CST: Melon 8 1/2" x 12 1/2" and Shell 8 1/2"

*Sew sections J-N together to form vertical row #3.

Sew rows 1, 2 and 3 together. Press quilt top well.

Layer backing, batting and quilt top. Baste.

Quilt as desired.

Join binding strips together as needed. Bind.
Disclaimer:
This pattern is provided as a courtesy to quilt stores, catalogs, and quilters. Michael Miller Fabrics, LLC is not responsible for the accuracy of any kits packaged to accompany this pattern. Please direct any inquiries to the kit maker.

Yardage requirements for this pattern may allow for excess yardage to accommodate specific placement of motifs or to allow for any fussy-cutting to achieve the finished quilt design.

While every attempt has been made to give accurate measurements, yardage requirements, and construction directions; this does not allow personal variations in measuring, cutting and/or sewing. The enclosed directions were used in the construction of the original quilt.