

STOP #2

SAINT JOHN THE BAPTIST CATHOLIC CHURCH



Next turn toward the ocean and notice Saint John the Baptist Catholic Church.

Notice the roofs. How steep is the pitch (or slope) of the roof? Estimate the slopes of the three roofs facing you. (A line at a 45 degree angle has a slope of 1.) What do you notice about the slopes of these six roofs?

Notice the siding, windows, door frames, stairs, hand railings, etc. Which lines are parallel, perpendicular, or skew? (Skew lines are two lines that are neither parallel nor intersection as they lie in two distinct planes.)



Explore the grounds around the church and, if open, explore the interior of the church. Look for the stained glass windows.

What shapes do you notice? Do you see an octagon? Is this octagon regular or irregular? (Regular octagons have eight equal side lengths and eight equal angles.)

How many irregular pentagons do you see? What other shapes make up the stained glass windows? What types of symmetry do you see?

