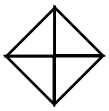
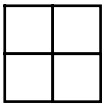
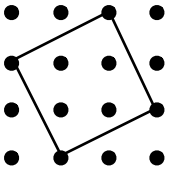
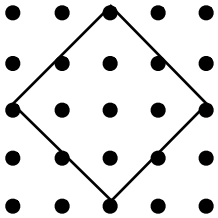
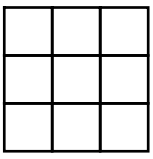
MathFLIX CHALLENGE

Square Roots: Rational or Irrational

Complete the table below. Study the patterns. What observations can you make?

Illustration	Area	Square Root (length of side of square)	Decimal Equivalent	Rational or Irrational
	1 sq.	$\sqrt{1}$	1.0	Rational
	2 sq.	$\sqrt{2}$	1.414213562...	Irrational
?	3 sq.			
	4 sq.			
	5 sq.			
?	6 sq.			
?	7 sq.			
	8 sq.			
	9 sq.			