## 

			T / (* /
		Rational or Irrational	Justification
	.7		
	$\frac{3}{4}$		
	7		
	$\frac{\sqrt{3}}{3}$		
	2π		
2.	For each statement, <b>stat</b>	e if it is true or false. Ju	stify your reasoning.
		True or False	Justification
	$\sqrt{10} < 5$		
	$\sqrt{8} > 3.2$		
	$3 < \sqrt{12} < 4$		
	$\frac{\sqrt{10}}{2} = \sqrt{5}$		
	$5 - \sqrt{5} < \frac{\sqrt{5}}{2}$		

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## Part B: Square & Cube Roots [8.EE.2]

Example: $\sqrt{80}$	A) $\sqrt{60}$
$8^2 = 64$	
$8.8^2 = 77.44$ $\sqrt{80} \approx 8.9$	
$8.9^2 = 79.21 \qquad \qquad 8.8 < \sqrt{80} < 9$	
$9^2 = 81$	
B) $\sqrt{16+15}$	C) $\sqrt{1-8+15}$
D) 2√7	E) $\sqrt[3]{21}$
D) 2N T	

Part C: Pythagorean Theorem [8.G.7]

4. **Solve** for the missing side of the right triangle, **approximating** your answer to the nearest tenth. **Show** your work and **justify** your reasoning.

