Approximating Square Roots

Assignment

Part A: Color the box GREEN if the given number is a perfect square and RED if it is not.

	1)	99		2)	-9
	3)	100		4)	81
	5)	441		6)	625

Part B: Find the value of the following.

1) $\pm\sqrt{25}$

2) $\sqrt{-25}$

3) $\sqrt{1600}$

4) $\sqrt{121}$

5) $\sqrt{-1}$

6) $\pm\sqrt{1}$

7) $\pm\sqrt{196}$

8) $\sqrt{40000}$

9) $\sqrt{225}$

10) $\sqrt{-100}$

Approximating Square Roots

Assignment

Part C: Find two consecutive integers between which $\sqrt{66}$ lies.

Part D: Find two rational numbers with two decimal places between which $\sqrt{66}$ lies.

Part E: Approximate $\sqrt{66}$ up to the fourth estimate.