

# CRMT Answer Key

CNCM Administration

October 30, 2019

## 1 Individual Round

Problem 1: 45

Problem 2:  $\frac{13}{113}$

Problem 3: 18

Problem 4:  $\frac{15\sqrt{15}}{4}$

Problem 5: 8

Problem 6: 193

Problem 7: 5

Problem 8:  $27 + 12\sqrt{2}$

Problem 9:  $\frac{14}{45}$

Problem 10: 44

## 2 Team Round

Problem 1: 10

Problem 2: 69

Problem 3:  $3 + 2\sqrt{2}$

Problem 4: 1

Problem 5: 325

Problem 6: 60

Problem 7: 6360

Problem 8: 4

Problem 9:  $\frac{101}{26}$

Problem 10:  $576\pi$

### 3 Relay Round

Problem R1-1: 255

Problem R1-2: 25

Problem R1-3: 5

**Problem R1-4: -20**

Problem R2-1: 3

Problem R2-2: 12

Problem R2-3: 5

**Problem R2-4: 3**