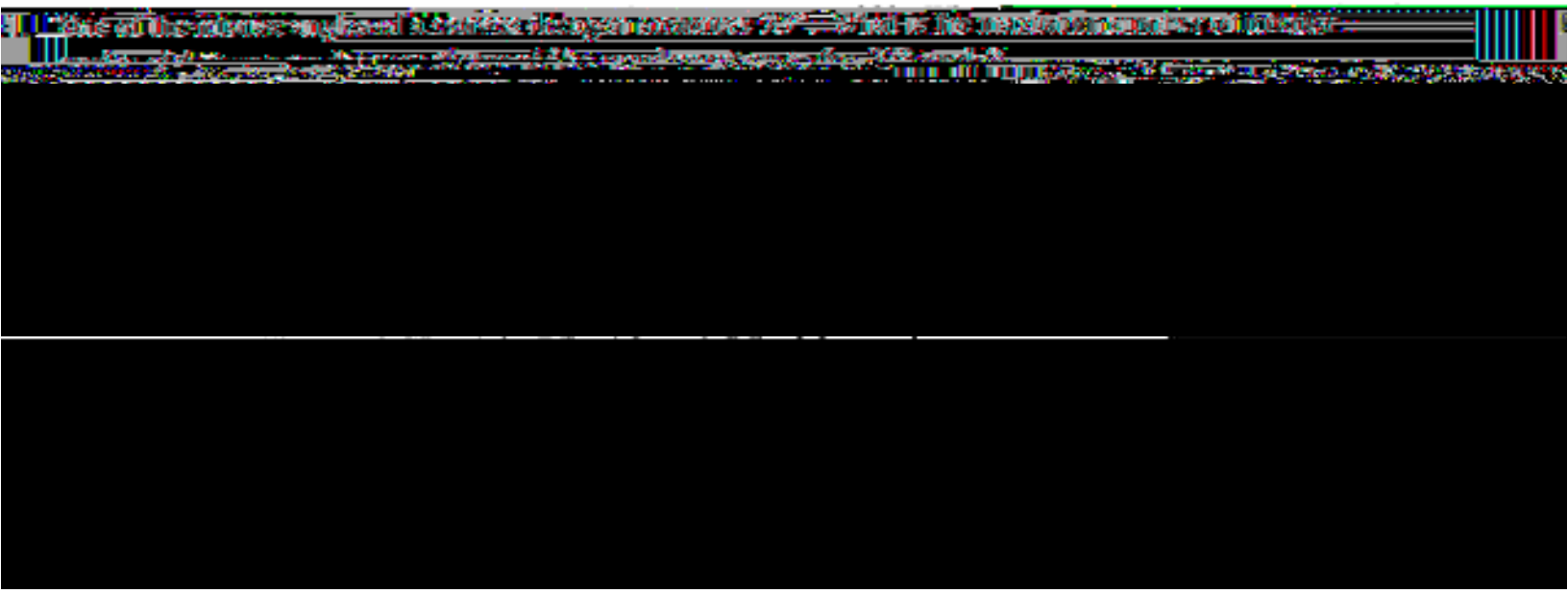
measurement are required. Each problem has the same point-value.

the value of x. Express your answer as an **exact decimal**.



Name: _____ Team Code: _____

2015 John O'Brien Mathematical Competition

11. _____ 1. _____

12. _____ 2. _____

3. _____ 13. _____

4. _____ 14. _____

5 15

16 6. _____

7. _____ 17. _____

8. _____ 18. _____

[redacted]

[redacted]

1. [redacted] 11. [redacted]

[redacted] Corrected in [redacted]

2. [redacted] 10 [redacted] 13 13.5125 exact form.

[redacted]

Must be this [redacted]

[redacted]

[redacted]

2.55 Must be in this [redacted] 1 Must be this [redacted]

[redacted] 1 [redacted]

10. [redacted] 20. [redacted]

[redacted]