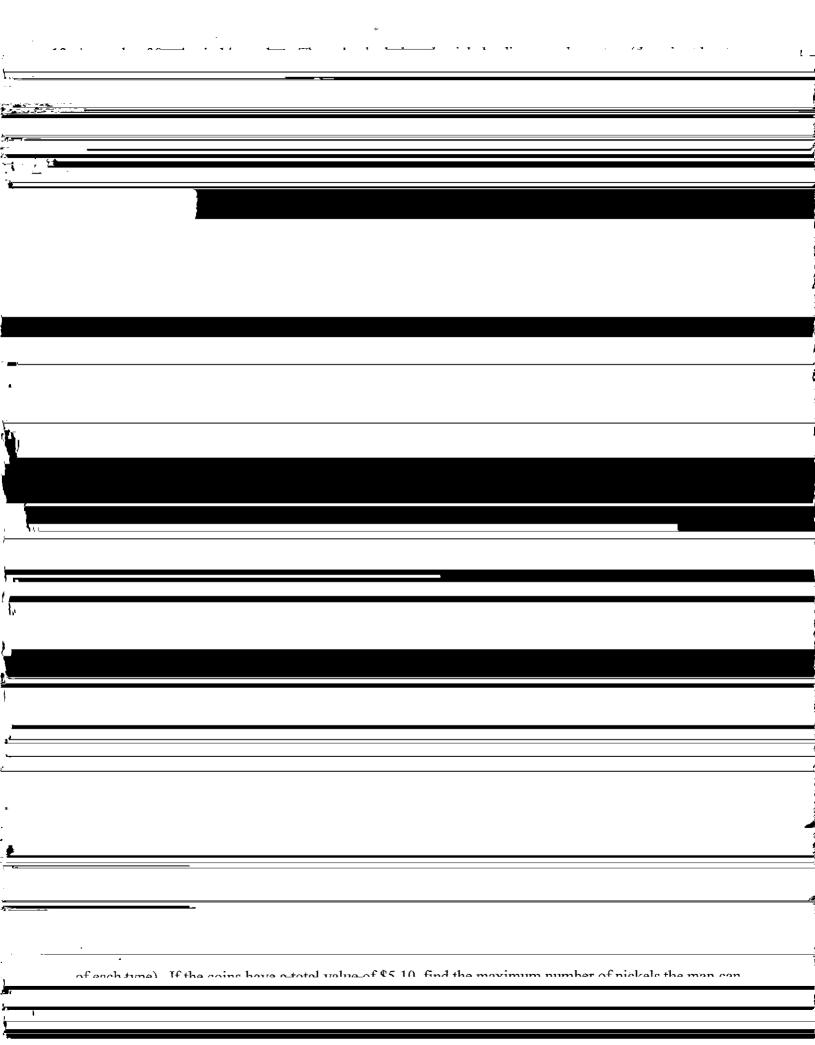
## 2014 John O'Bryan Mathematical Competition Freshman-Sophomore Individual Test

**Directions:** Please answer all questions on the answer sheet provided. All answers must be written legibly in the correct blanks on the answer sheet and in simplest form. **Exact** answers are to be given unless otherwise specified in the question. No units of measurement are required. Each problem has the same point-value.

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member selected is an irrational number. Give your answer as a fully reduced fraction.

2. If x = 2.8 find the value of  $(3x + 7.6)^{-0.75}$  Give your answer as a fully reduced fraction



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