## Assessment: The silent killer of innovation





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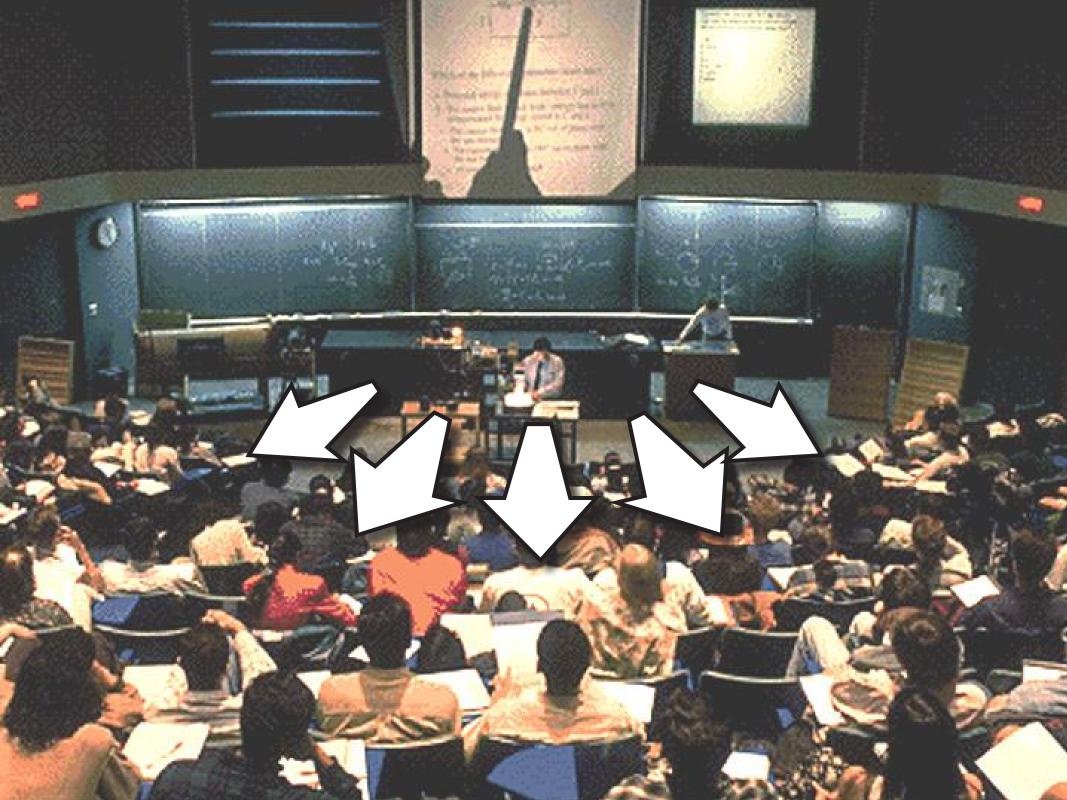


## we only guarantee they'll pass the test



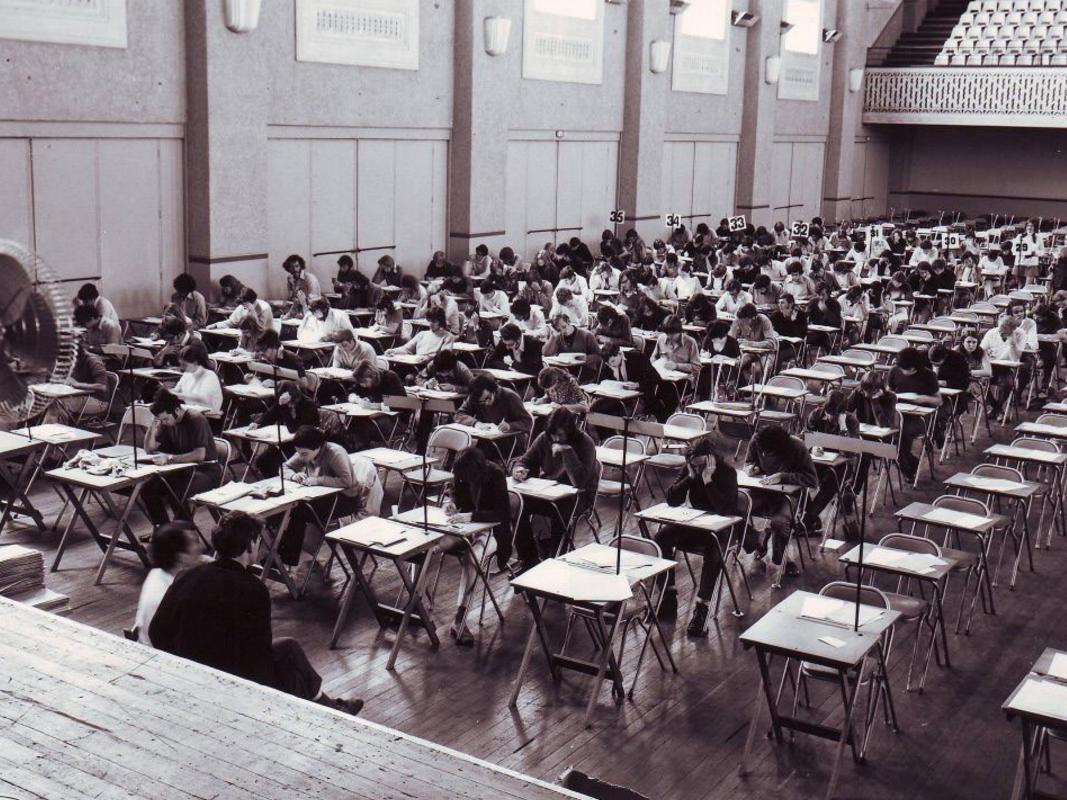
## 5-minute university



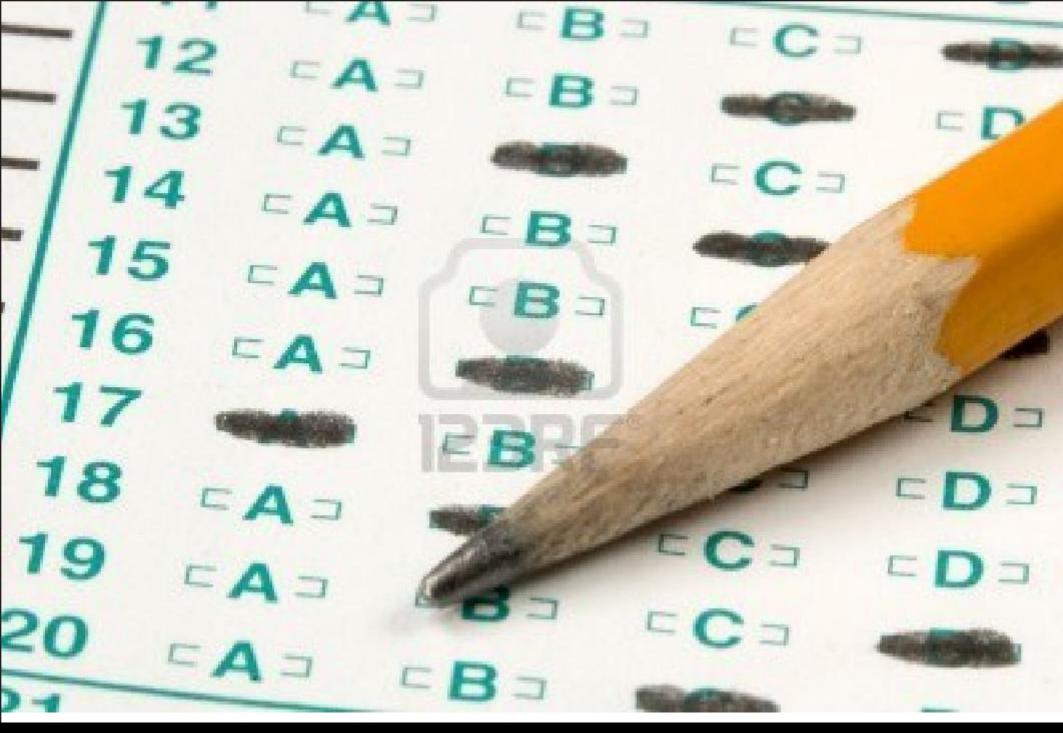


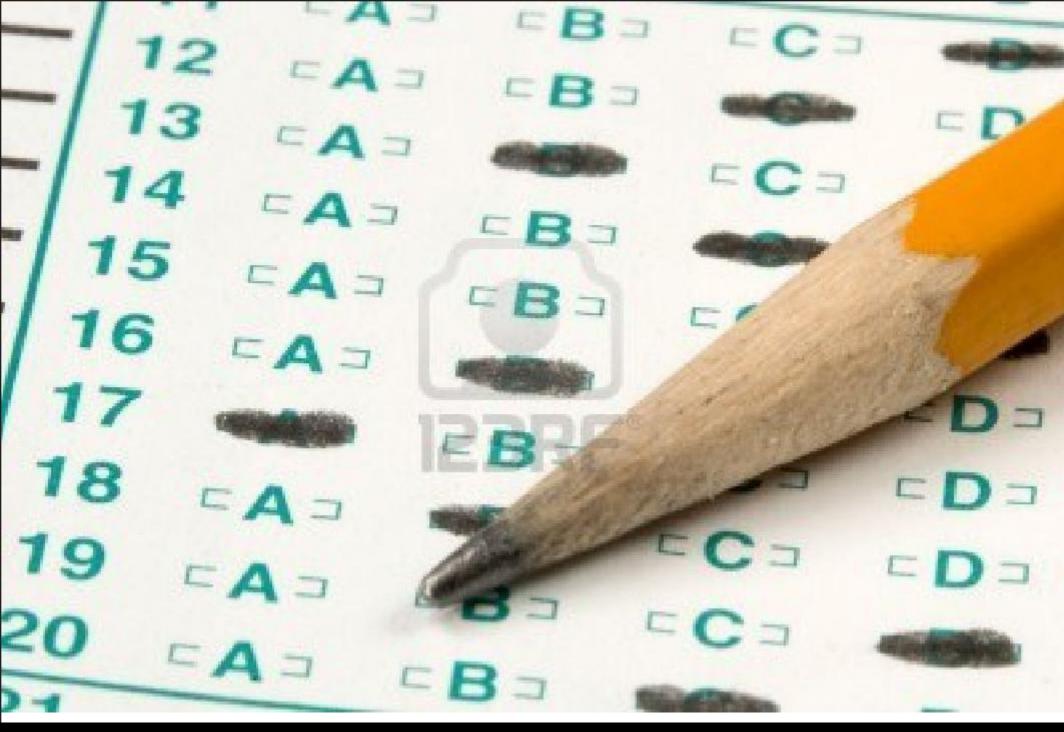


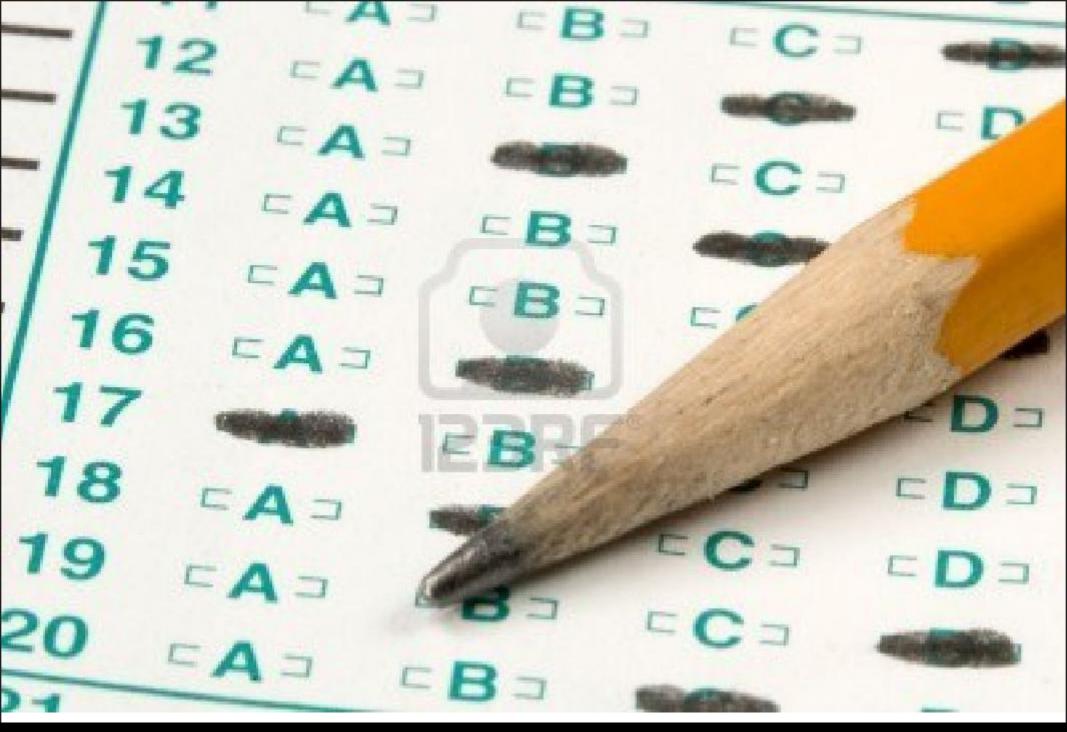






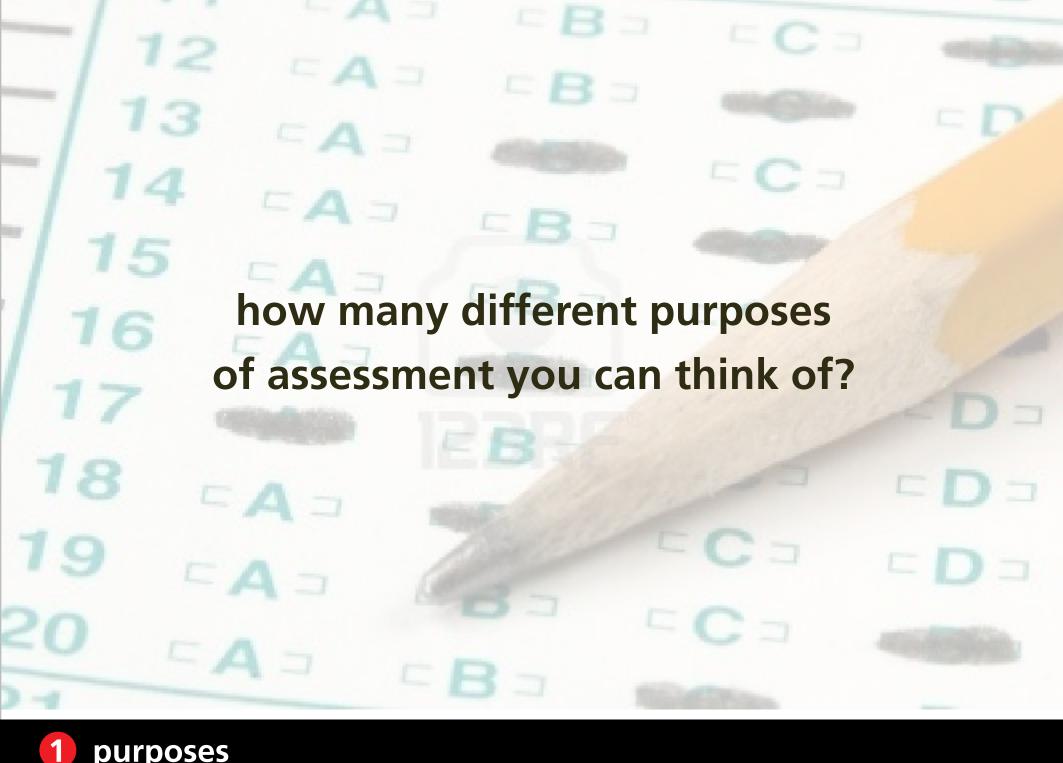




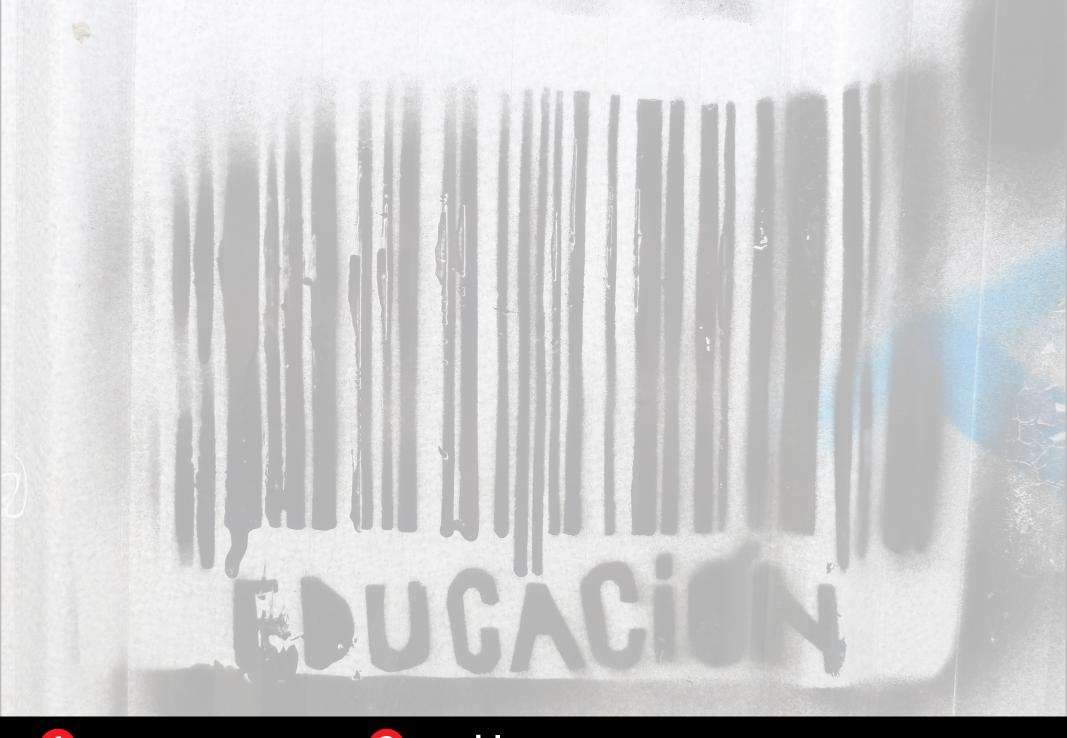


2 problems

improvements

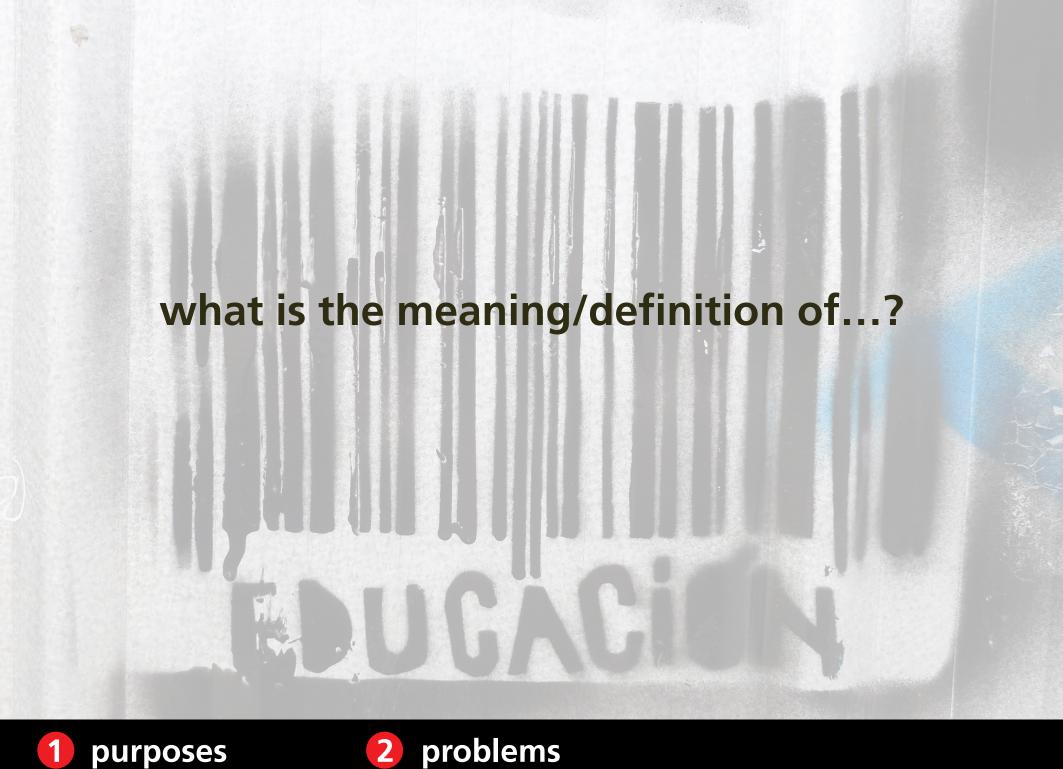


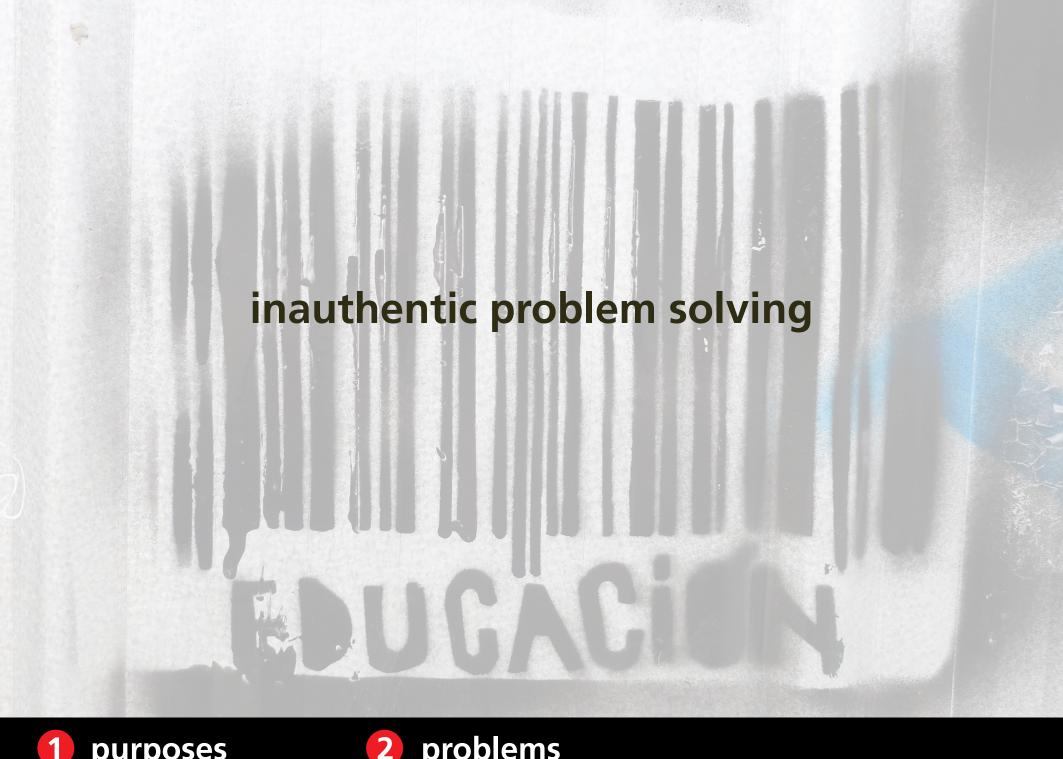
- 1. rate students
- 2. rate professor and course
- 3. motivate students to keep up with work
- 4. provide feedback on learning to students
- 5. provide feedback to instructor
- 6. provide instructional accountability
- 7. improve teaching and learning

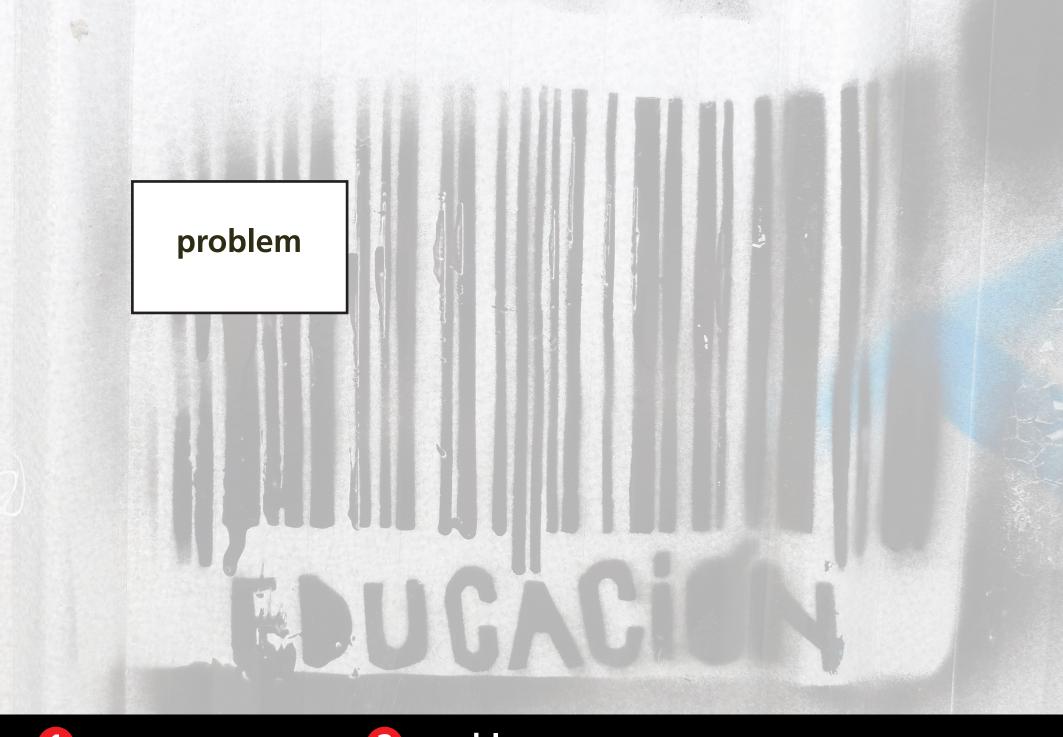


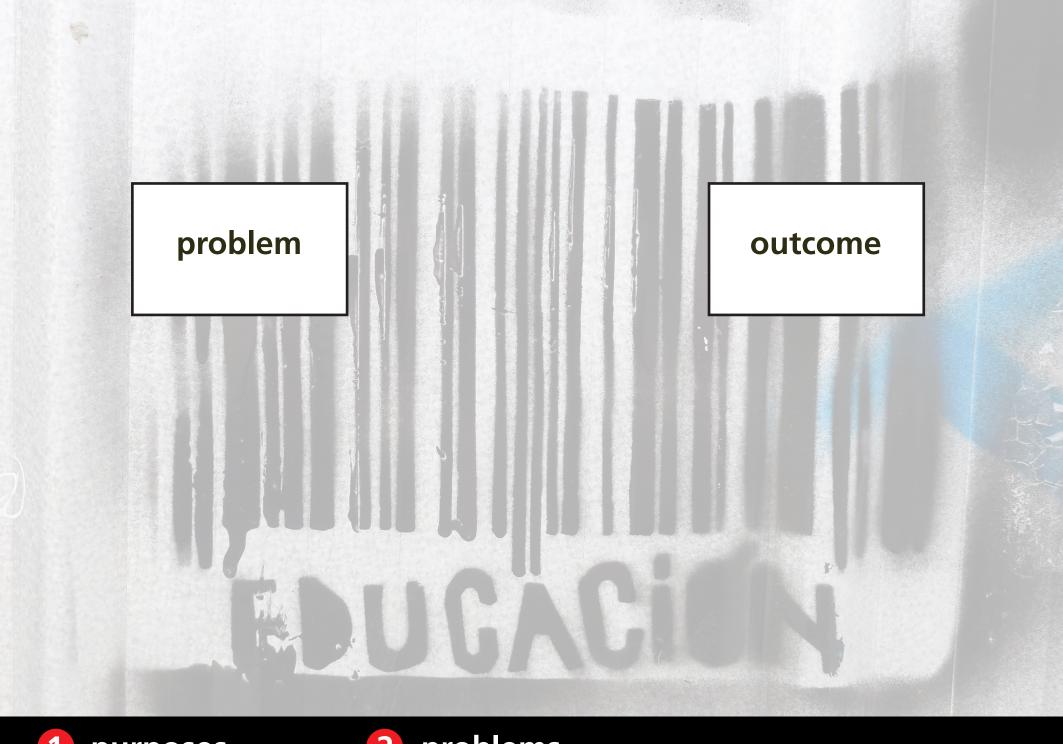
2 problems

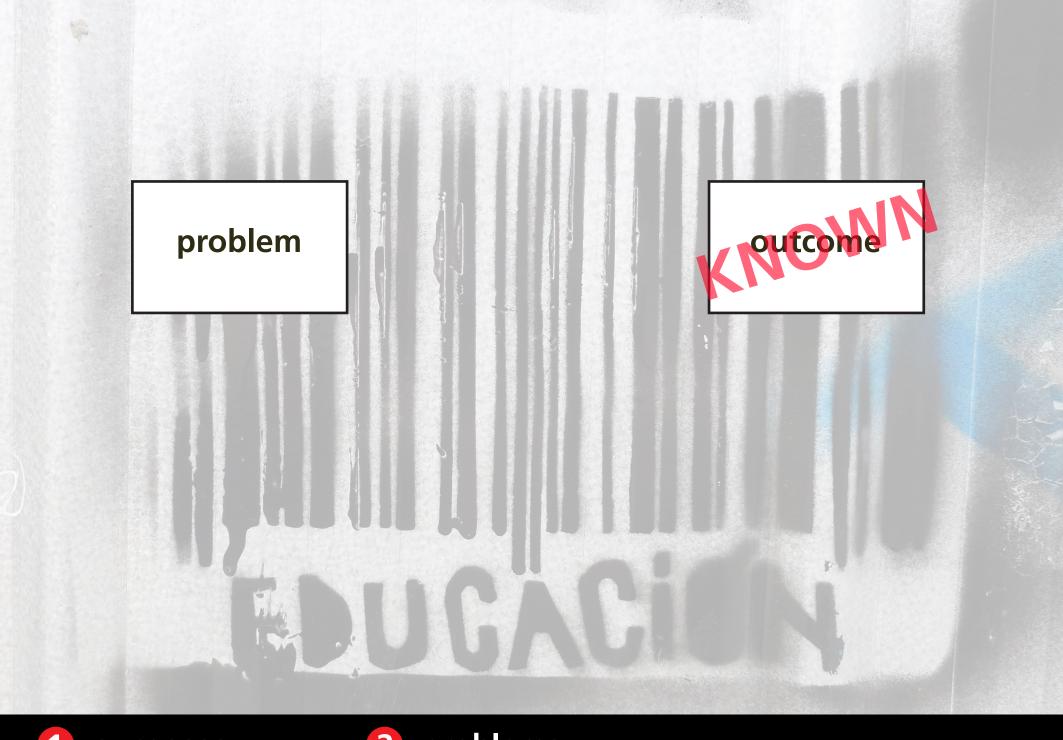


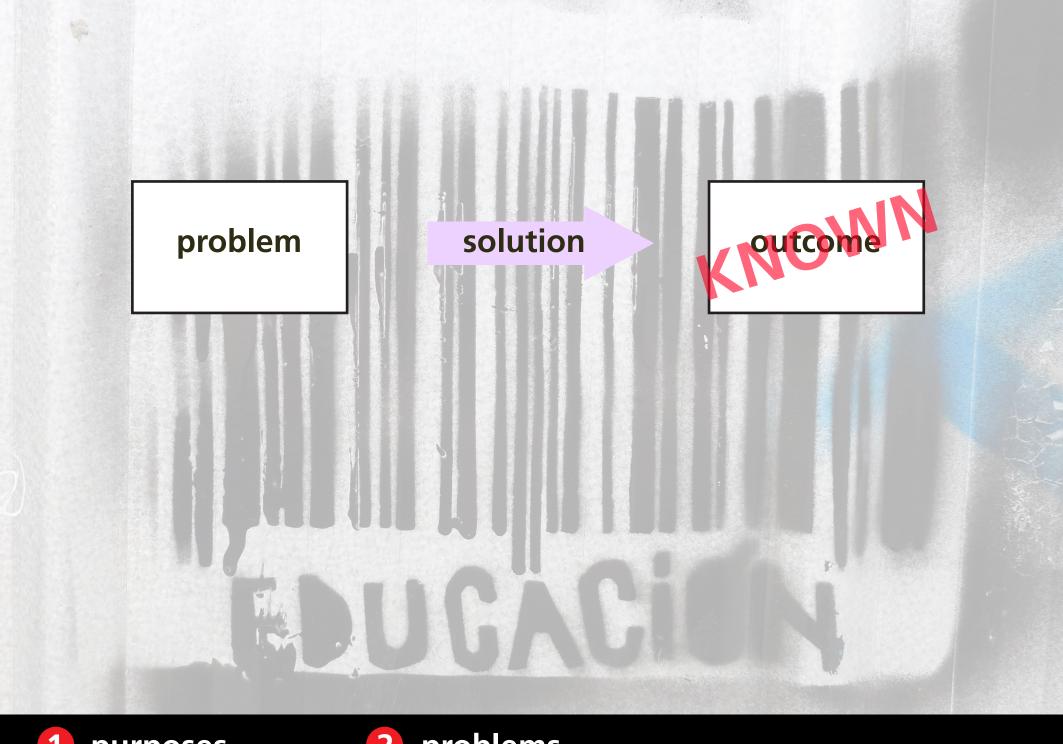


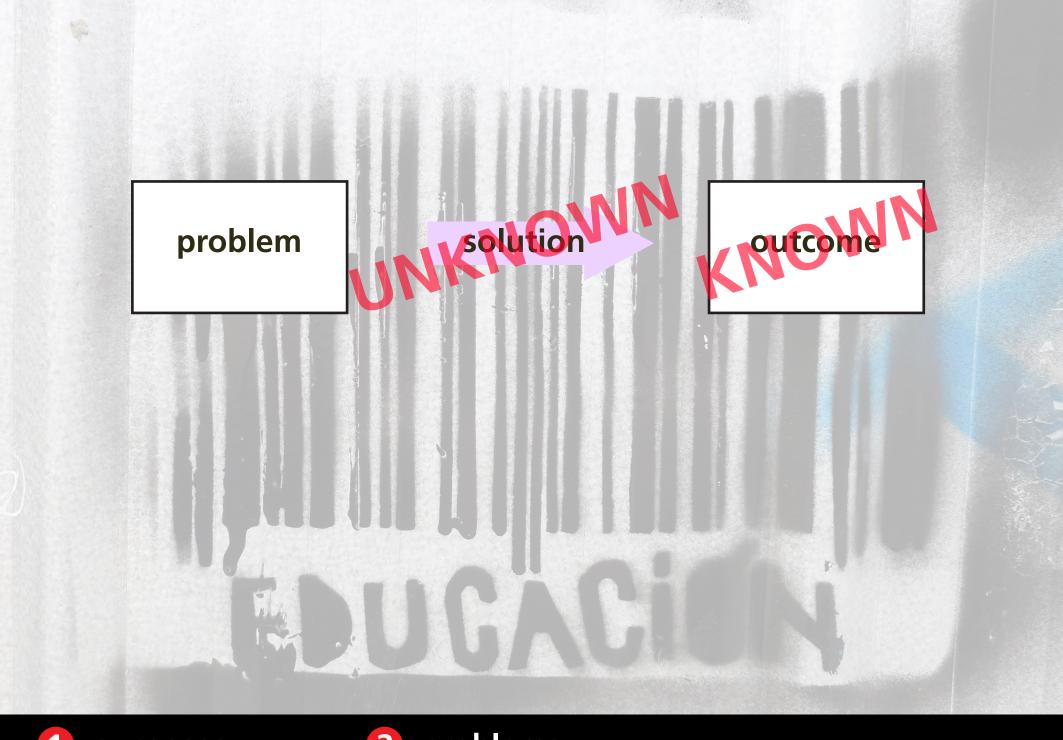








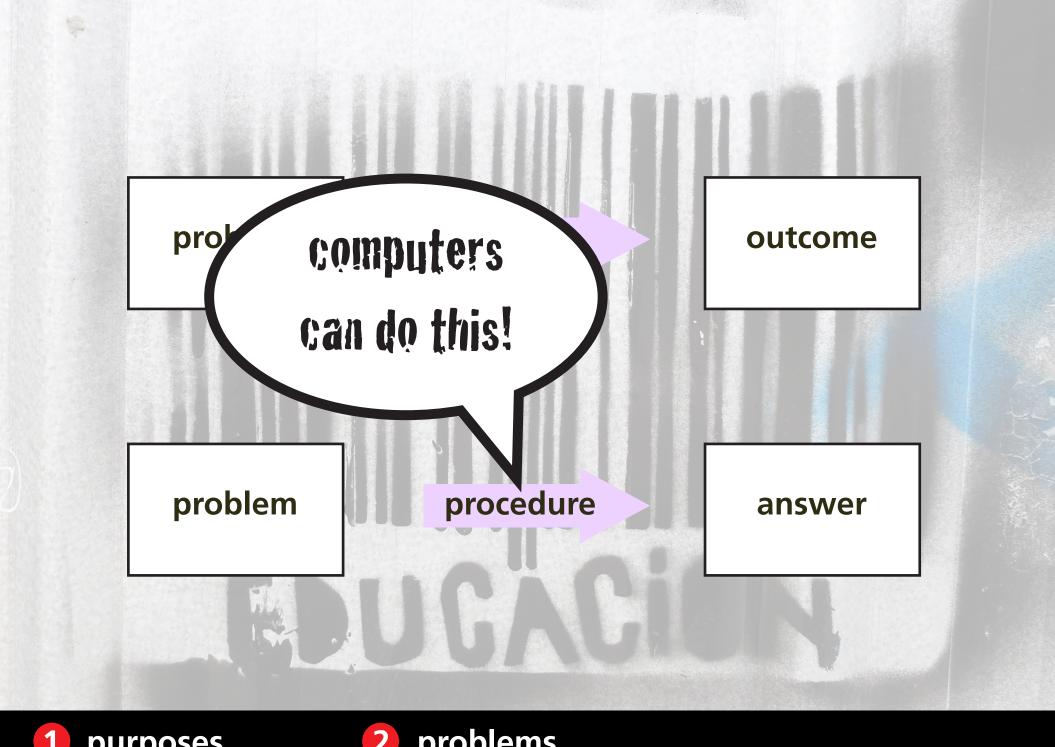










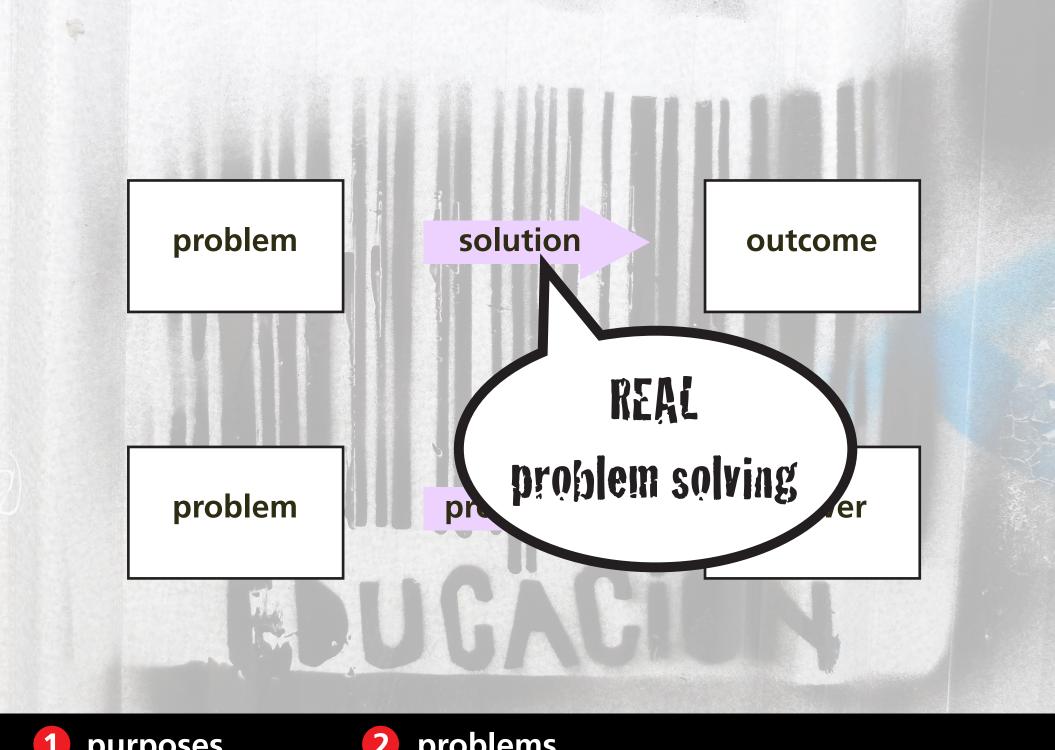


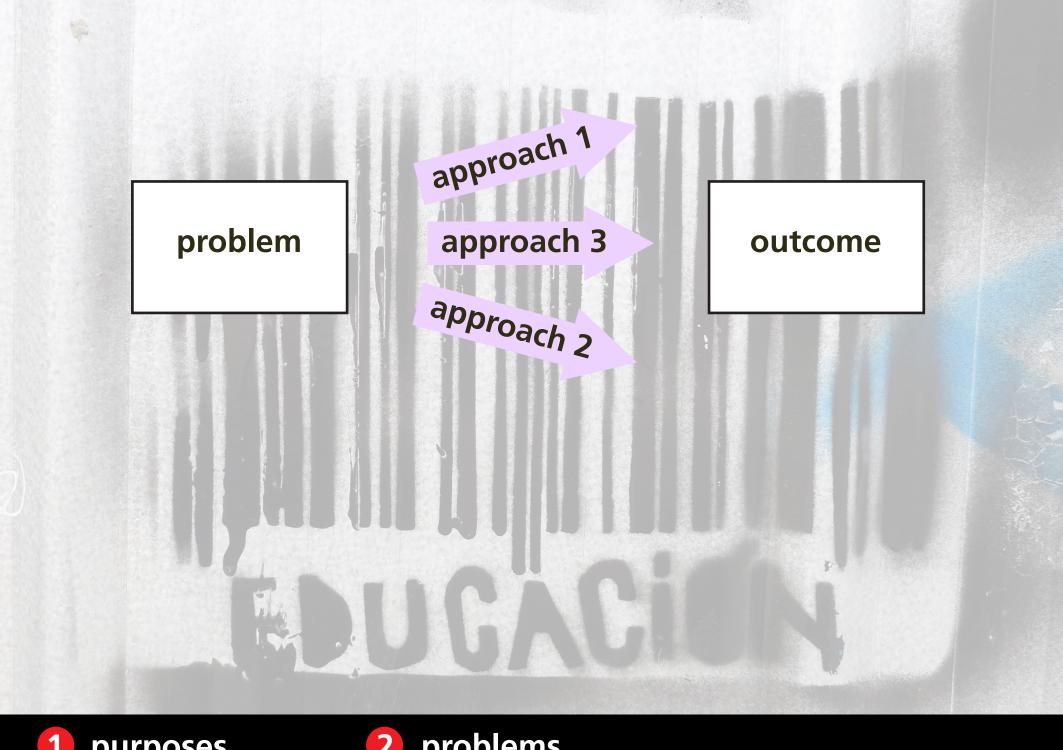


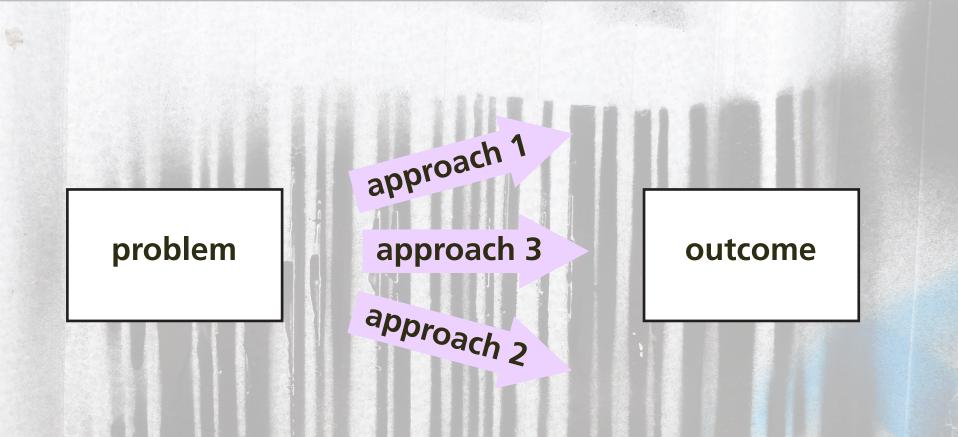
2 problems



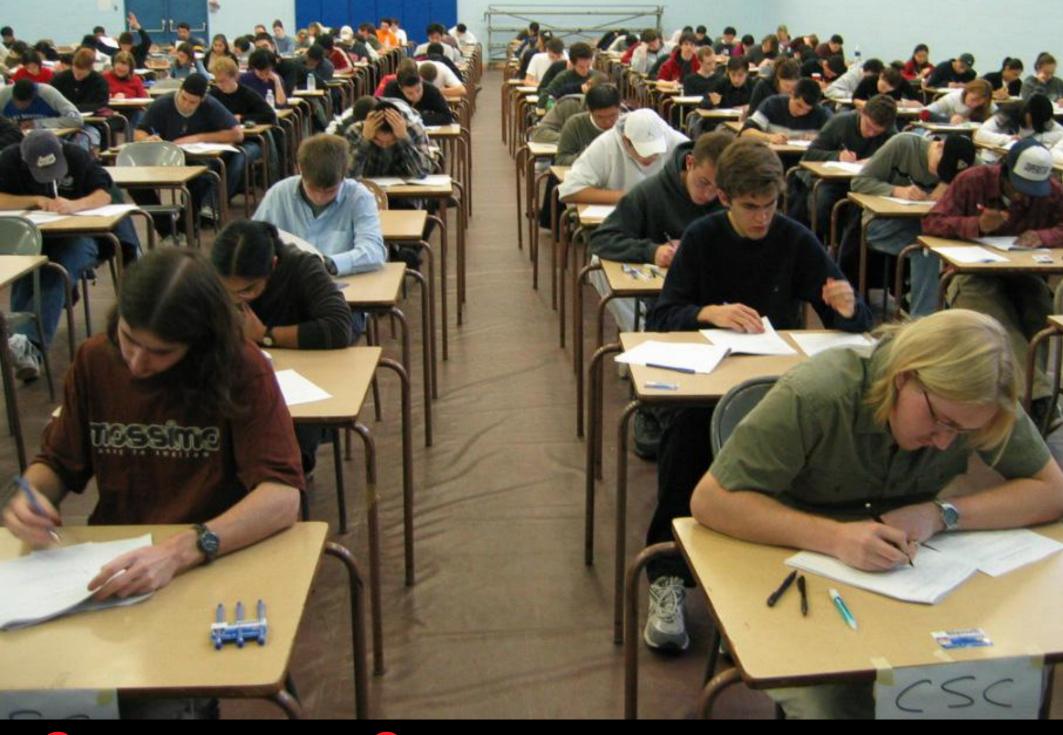
2 problems





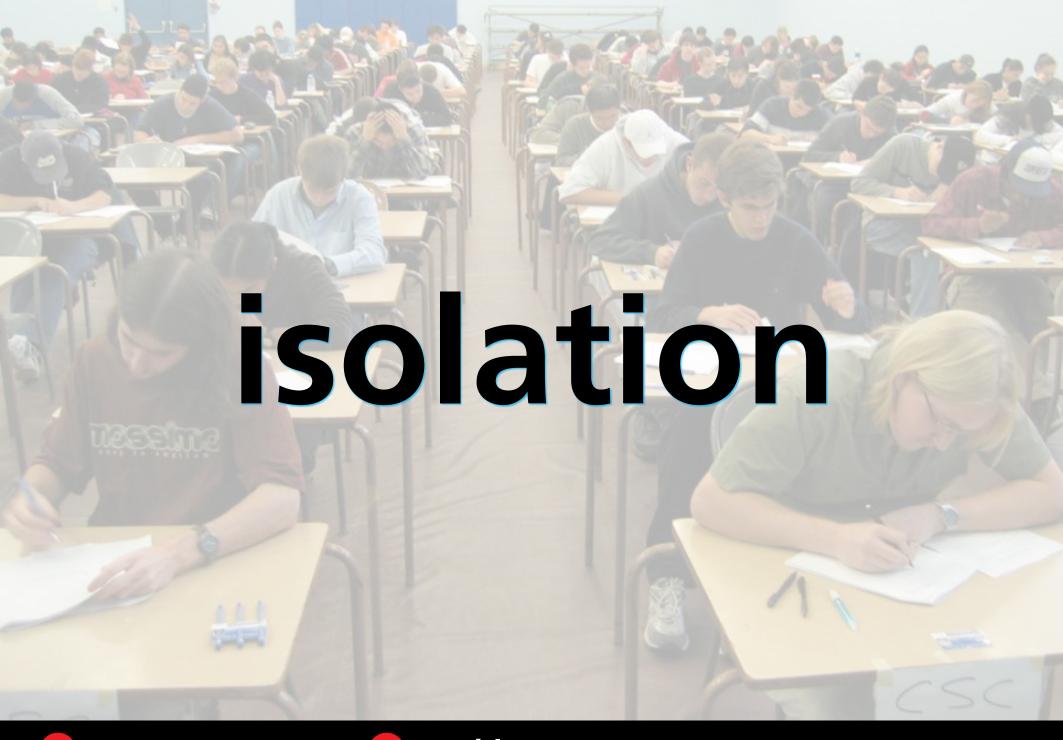


grading incompatible with real problem solving



1 purposes

2 problems



Math. 302-02, Final Ham

4) We will use spherical coordinates: 0 = p = Tr. The 059544 056521, integral is thus: Dince the third integral equals O Direction vectors for the plane are

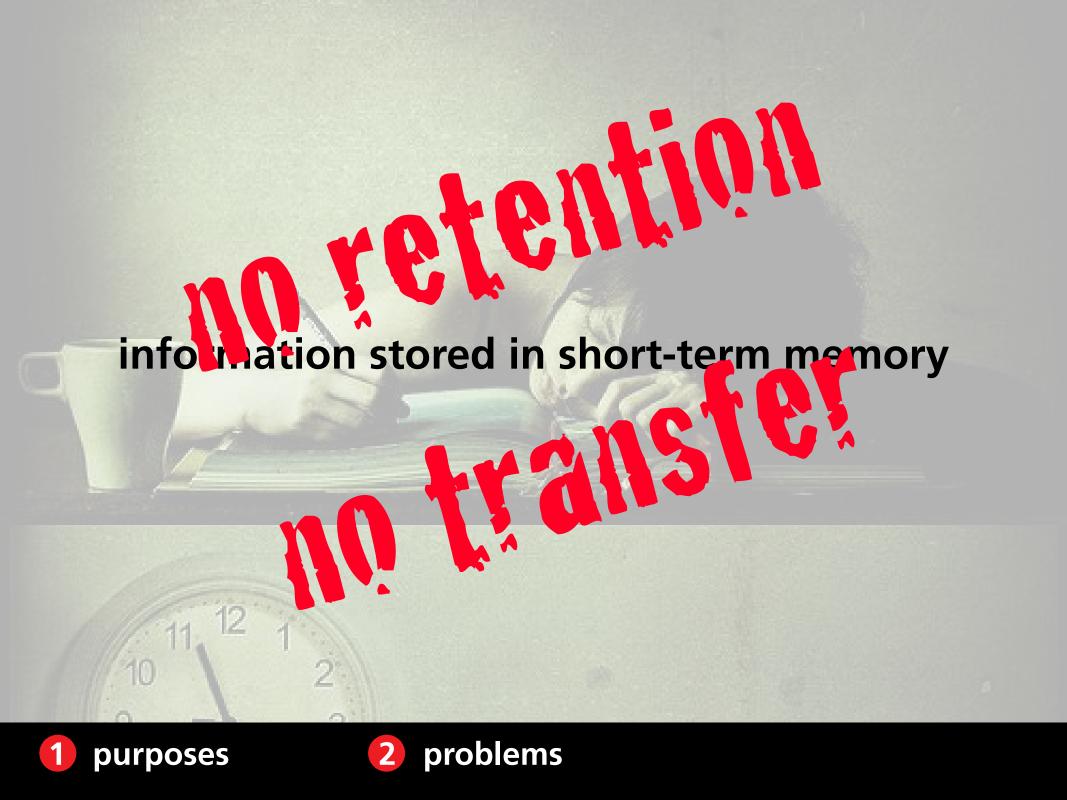
**1** purposes

2 problems

# high-stakes examinations promote cramming



information stored in short-term memory



chemical reaction does one of two things to involved substantial INCHPASES OF decreases the ENPRY OF the SUNGTURNLOS grades: measure of standing relative to others

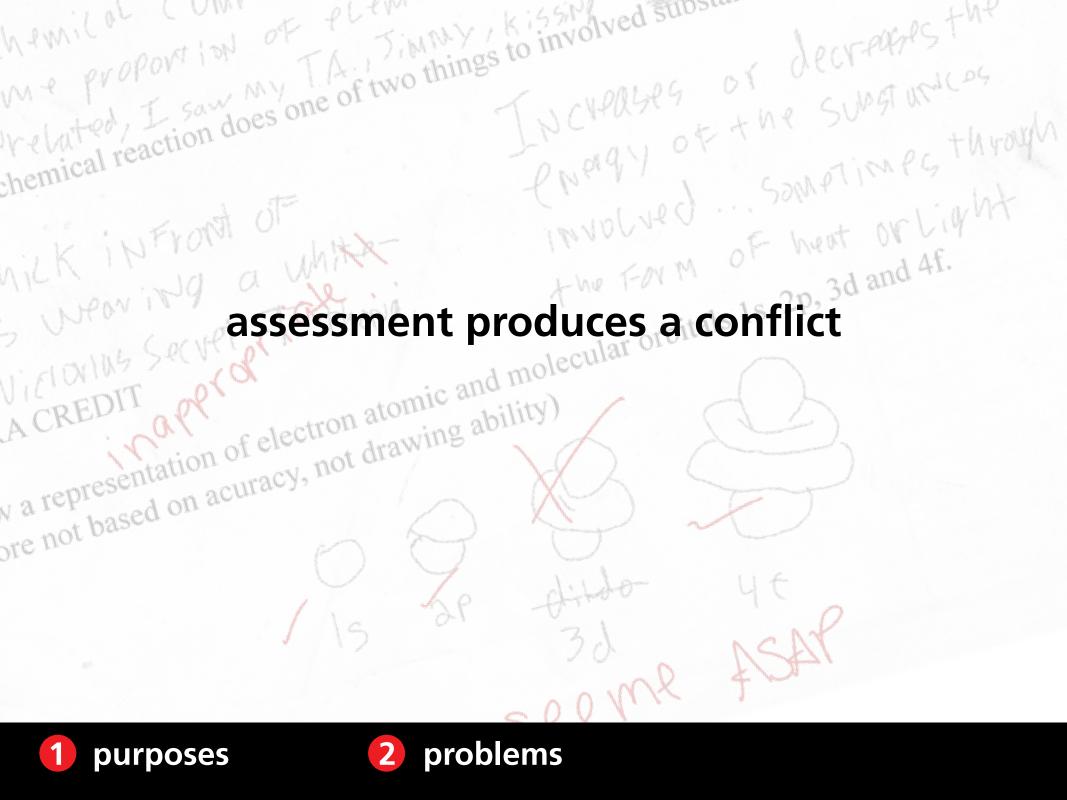
A CREDIT

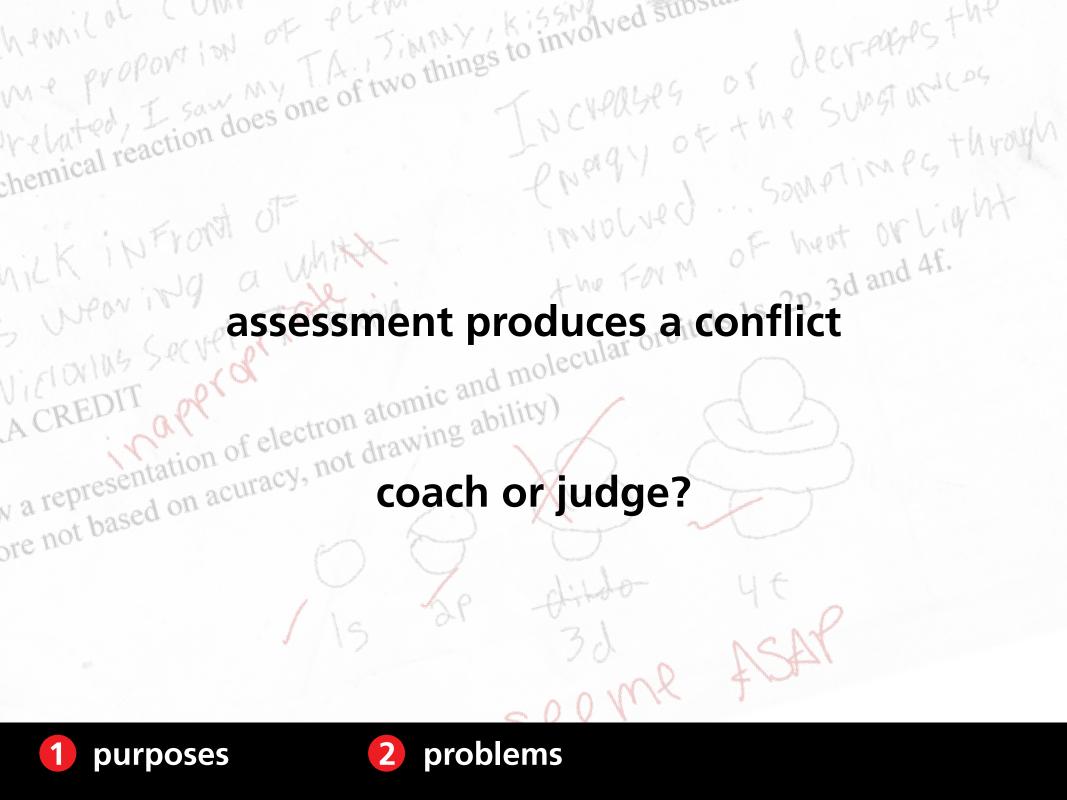
A representation of electron atomic and molecular of the standing relative of the standing relative of the standing relative to others

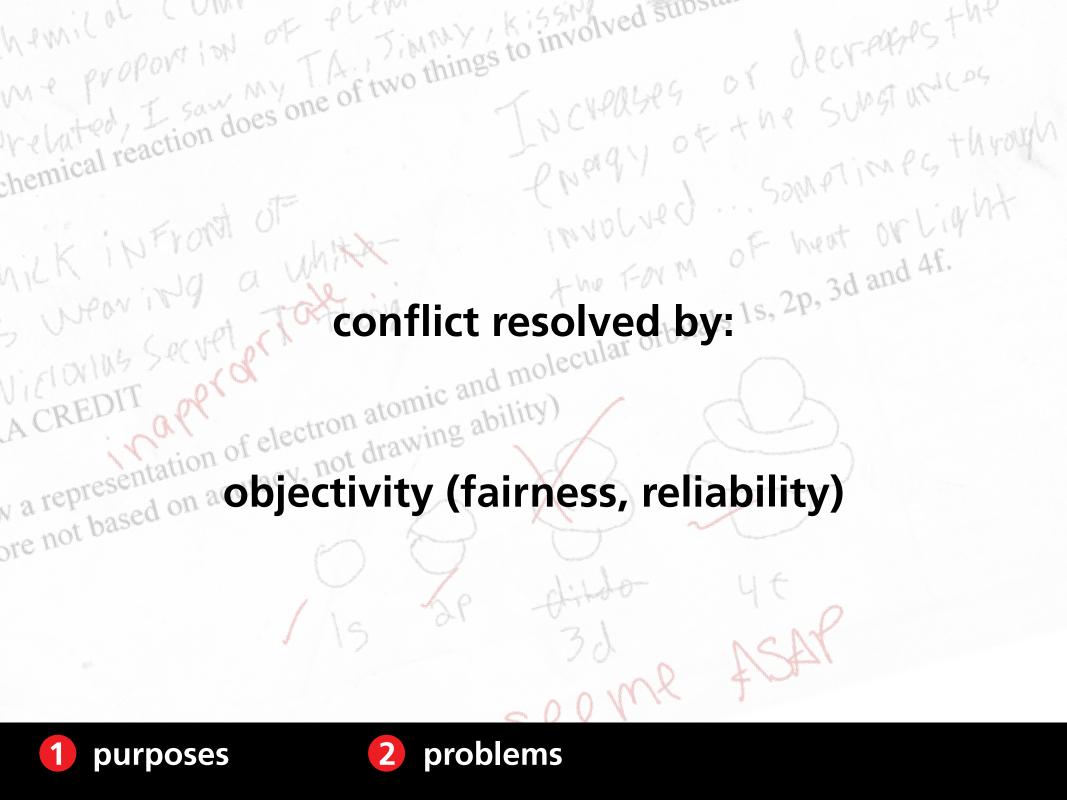
The proposed on acuracy, not drawing ability) ore not based on acuracy, not drawing ability) problems purposes

hemical reaction does one of two things to involved substituted INCHPASES OF decreases the LNCINTY OF THE SUNSTANCES imvolved ... Sometimes through grades: measure of standing relative to others

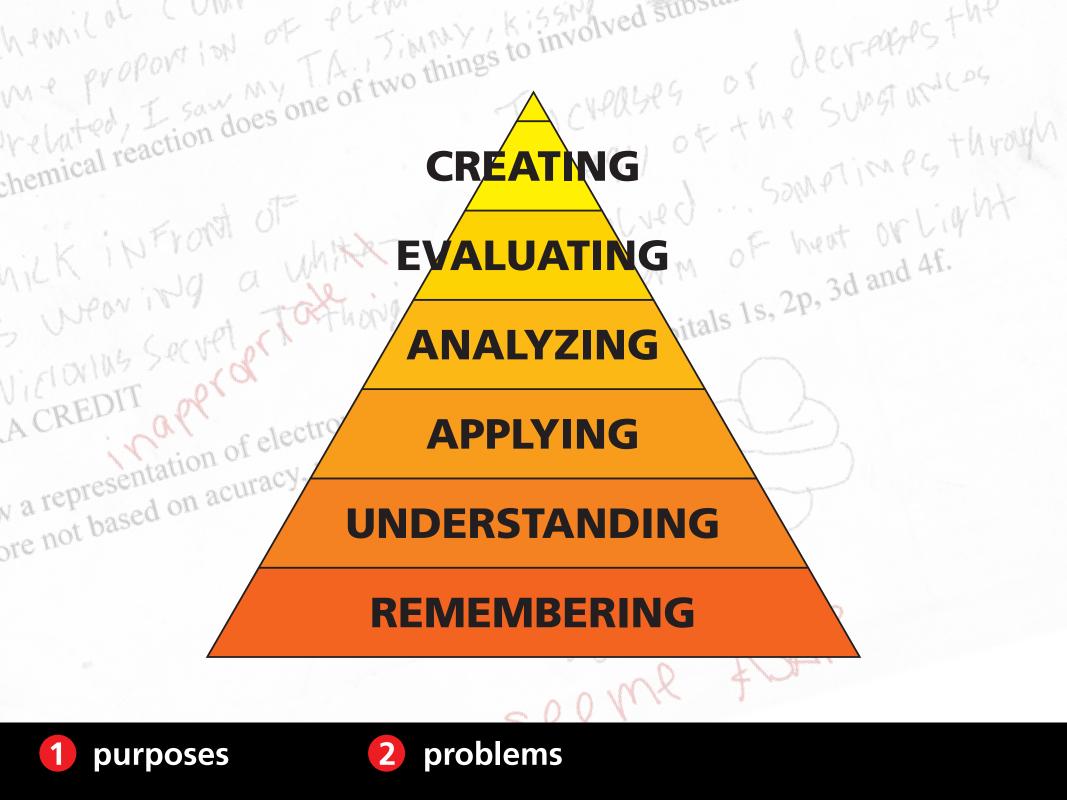
feedback: reflection on what has been learnt ore not based on acuracy, not drawing ab problems purposes

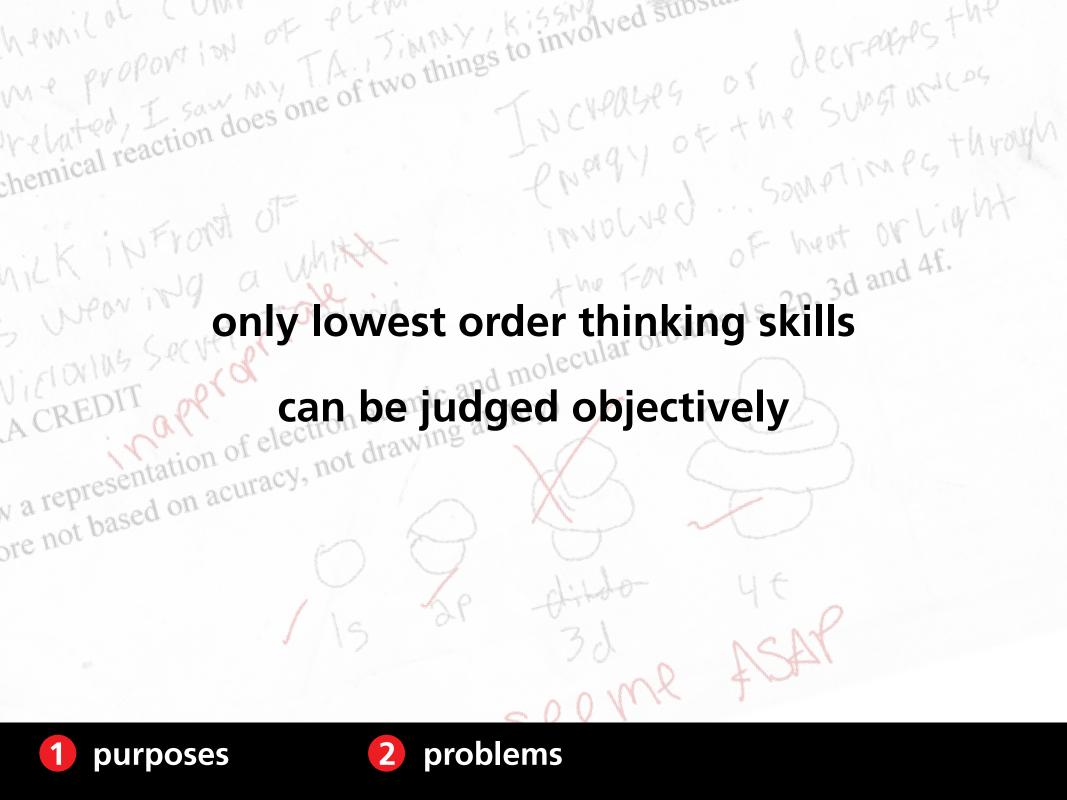


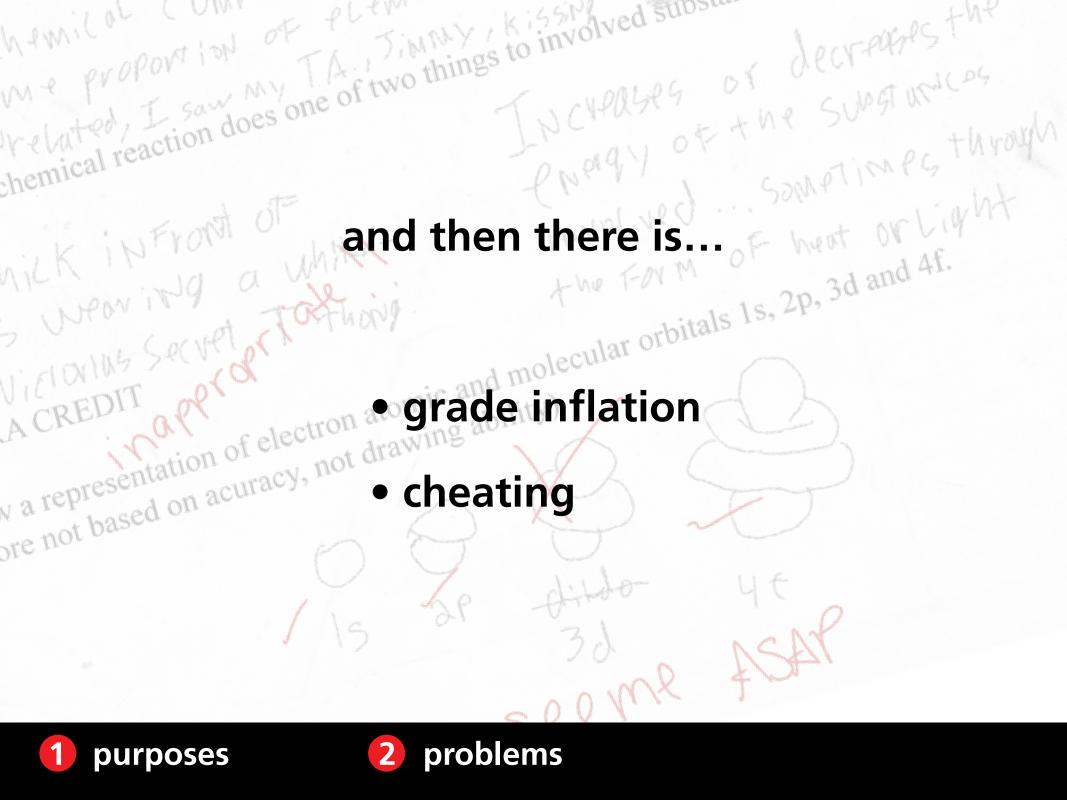




chemical reaction does one of two things to involved substantial INCUPAGES OF decreases the ENPRY OF the SUBSTURNEDS imvolved ... Sometimes through but ... NICK INFRONT OF s what ing a white a representation of electron atomic and molecular orbitals 1s, 2p, 3d and 4f. ore not based on acuracy, not drawing ability) problems purposes







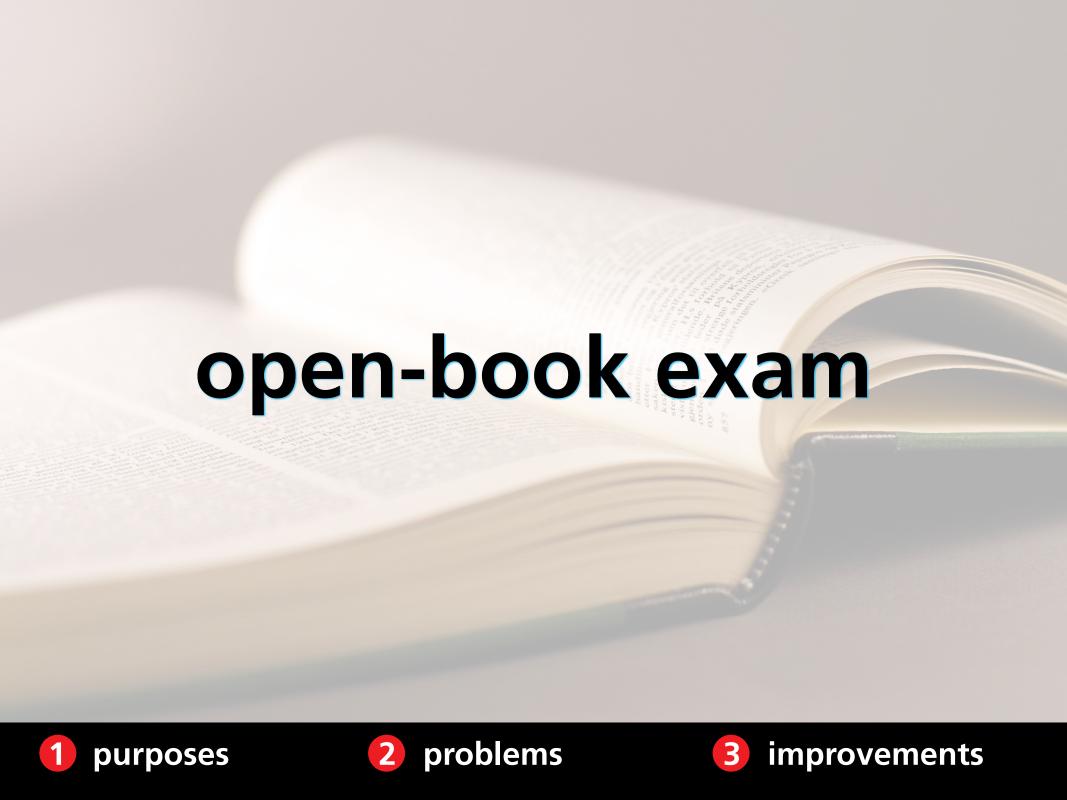


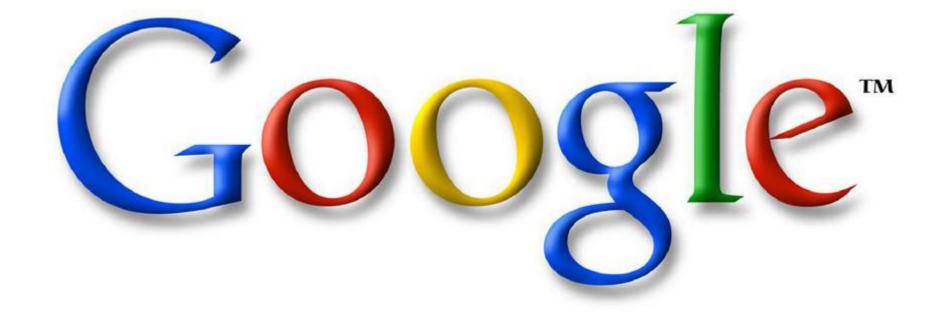
purposes

problems

improvements

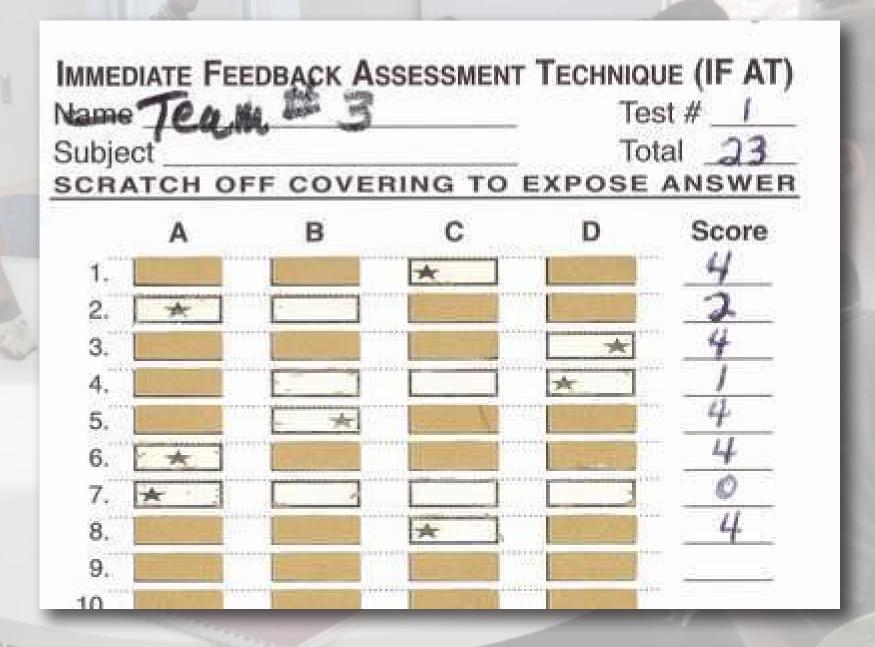








1 what

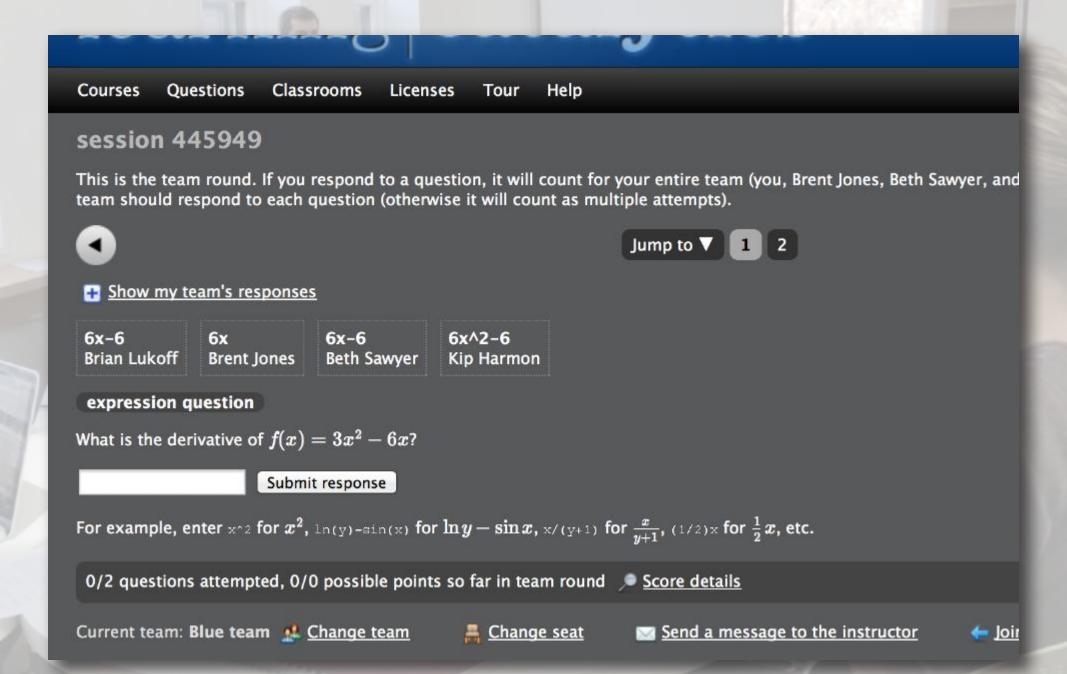


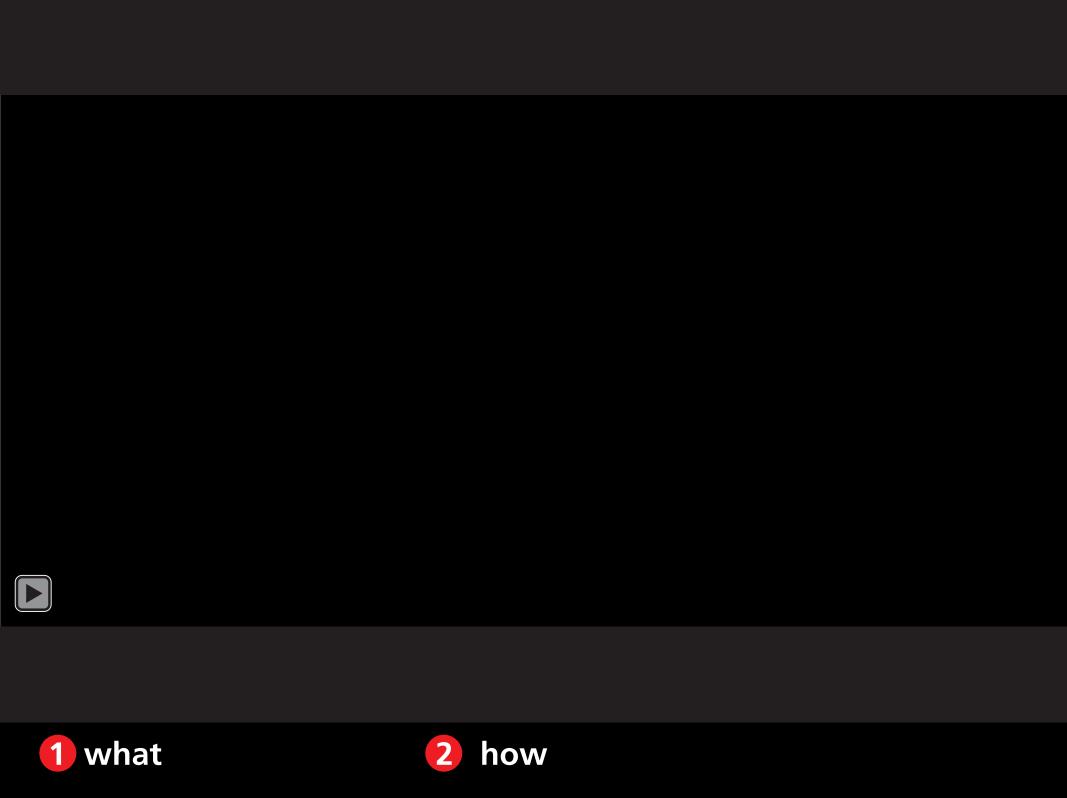


purposes

2 problems

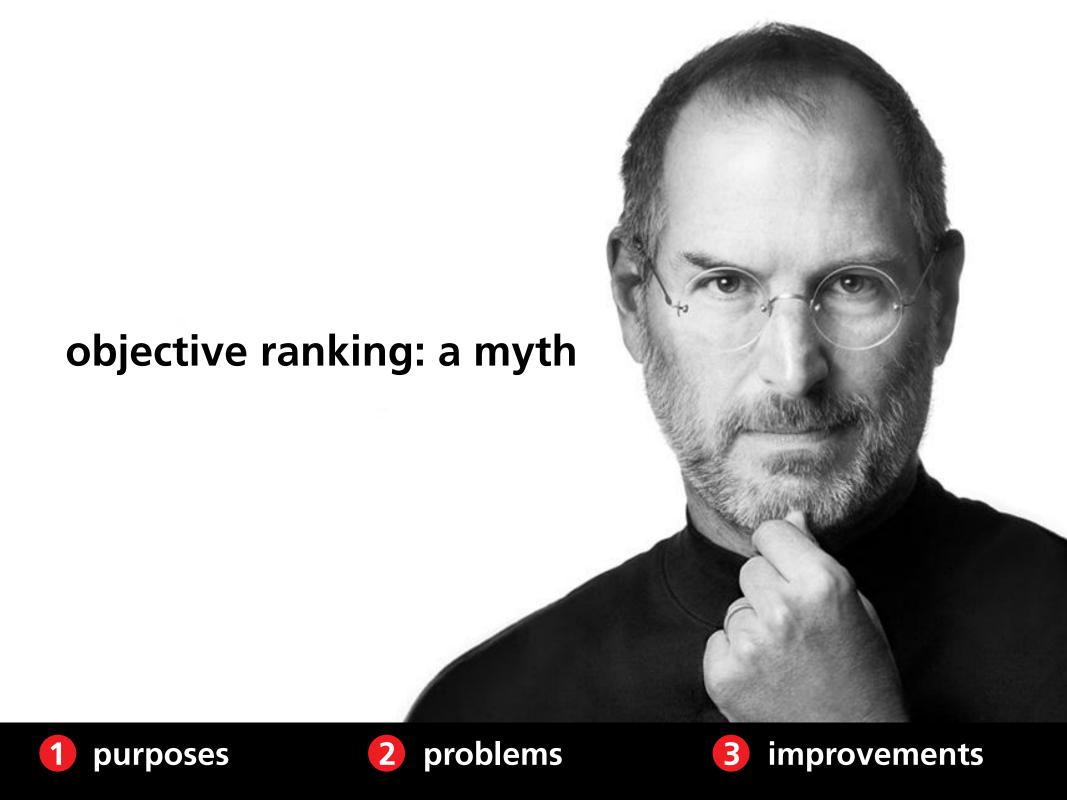
improvements



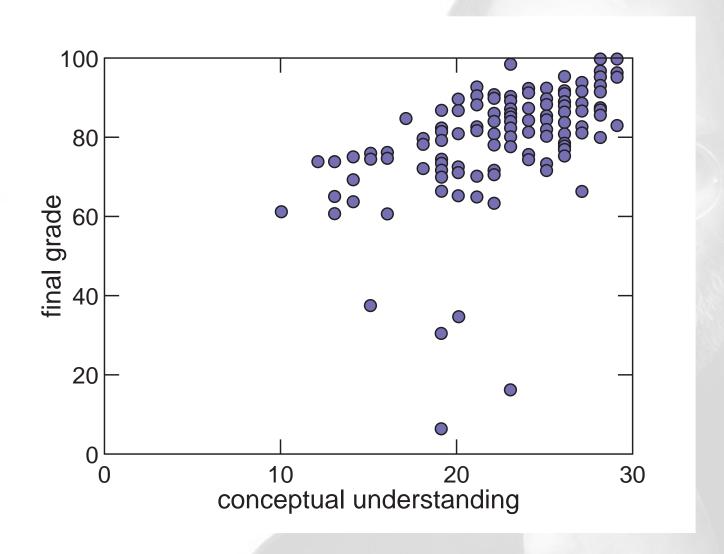




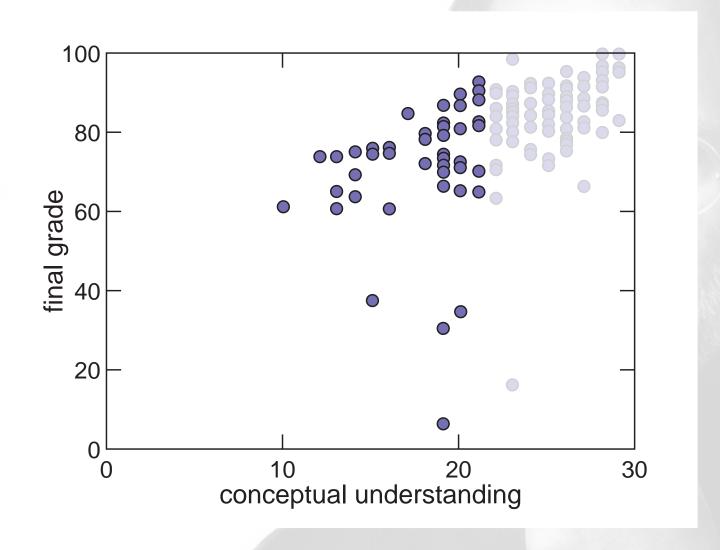
focus on feedback, not ranking



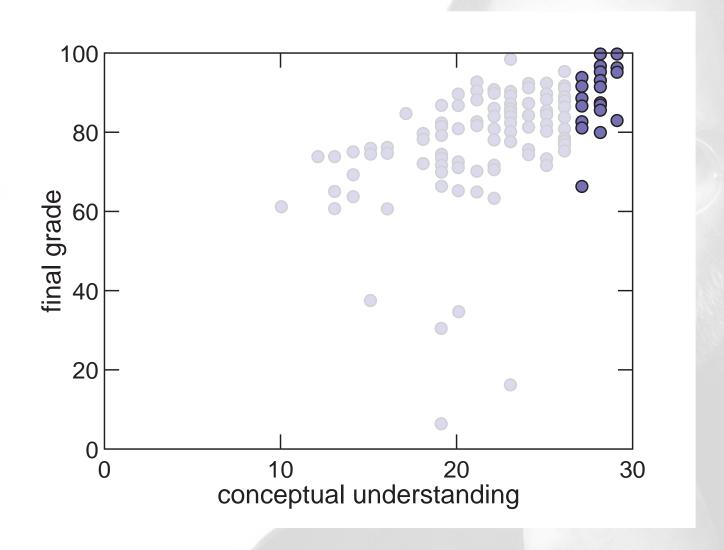
## 2 metrics, 2 results



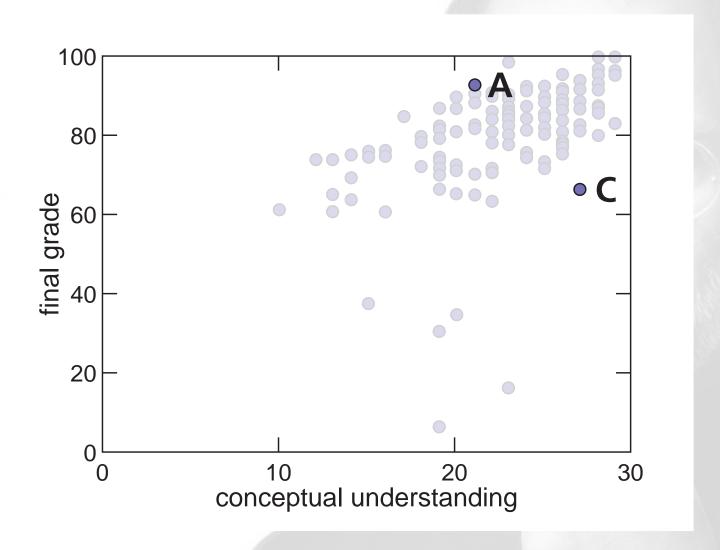
### **Aristotelian thinkers**



# top performers, broad grade distribution

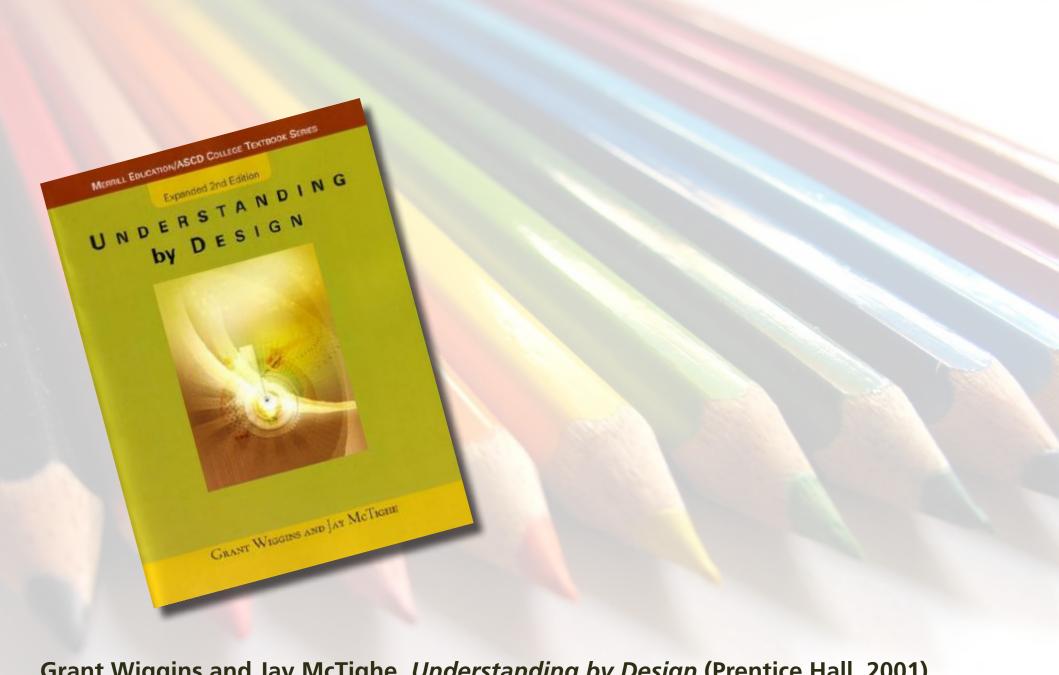


# objectivity or injustice?





focus on skills, not content

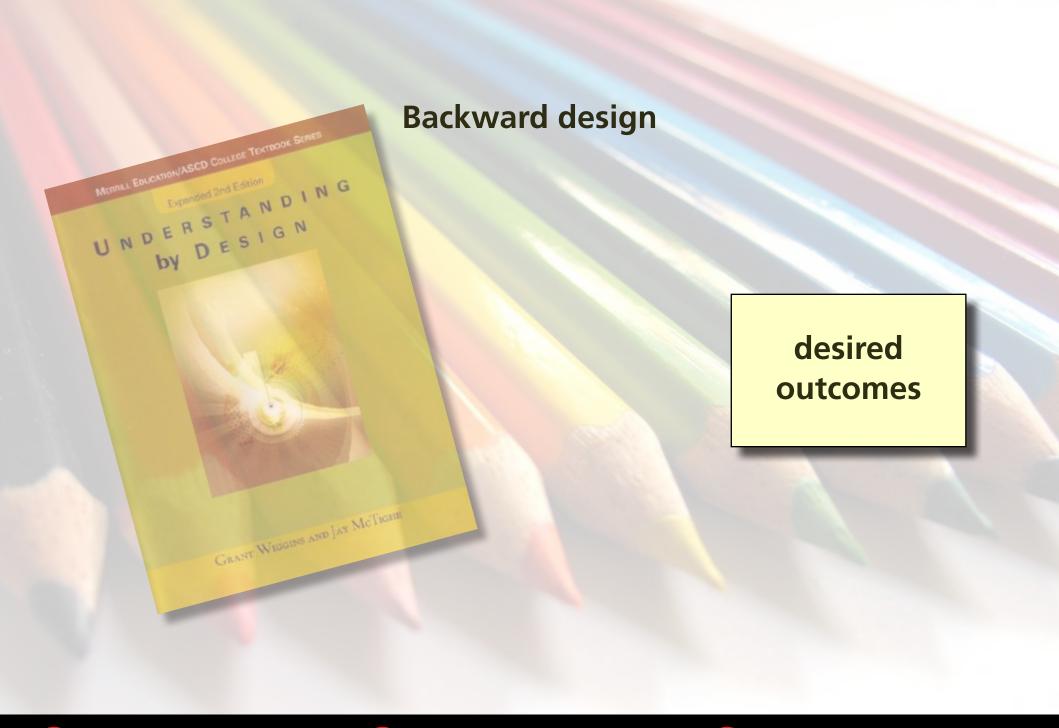


Grant Wiggins and Jay McTighe, Understanding by Design (Prentice Hall, 2001)

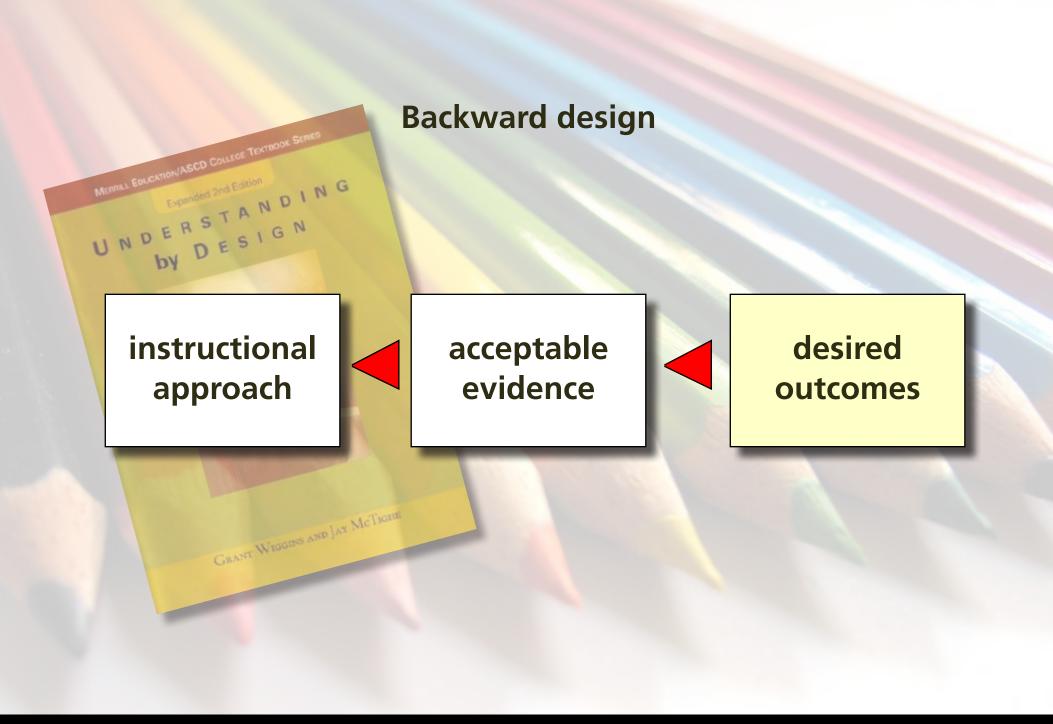


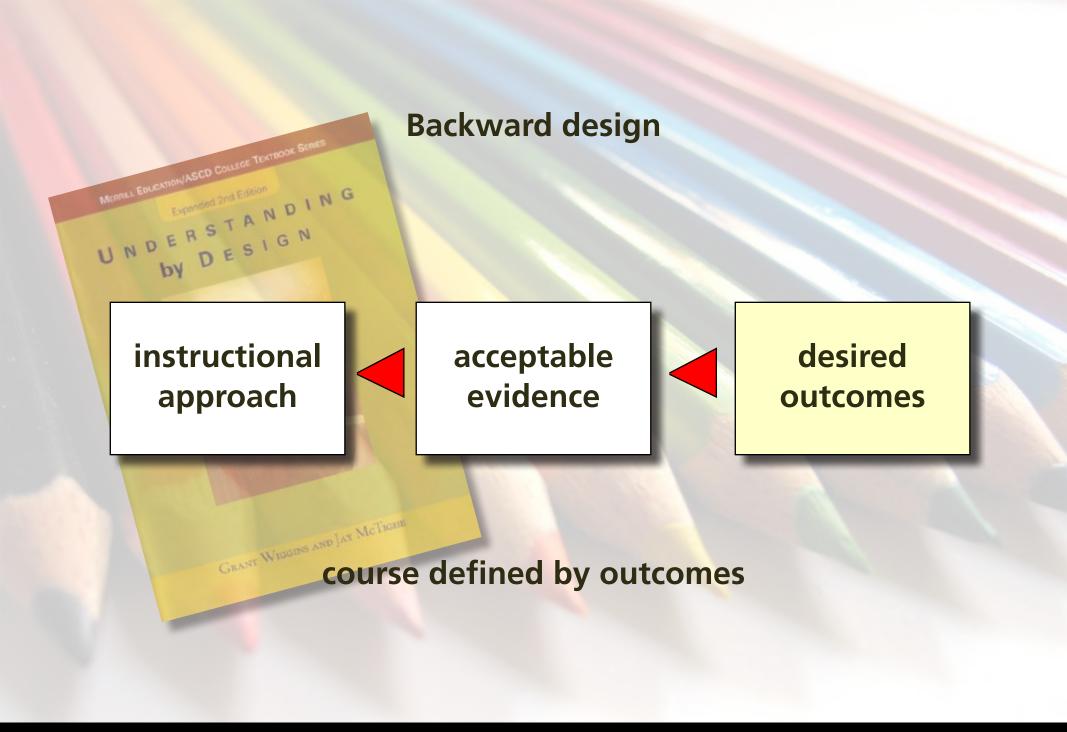






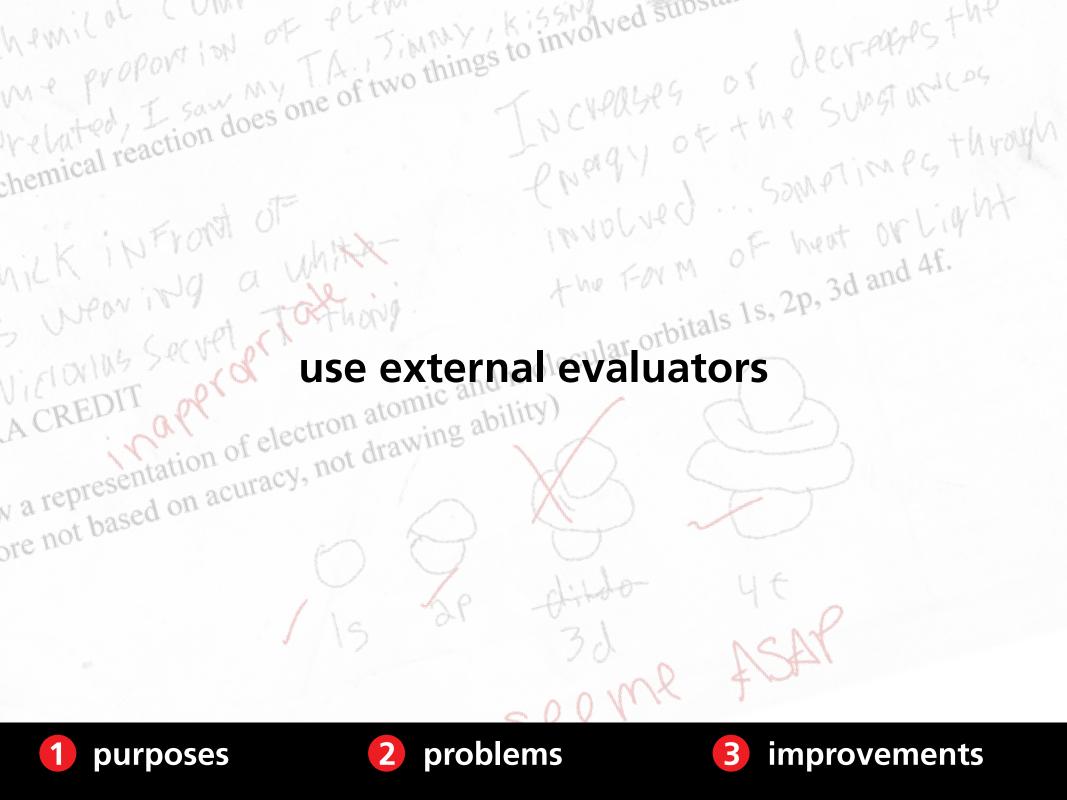


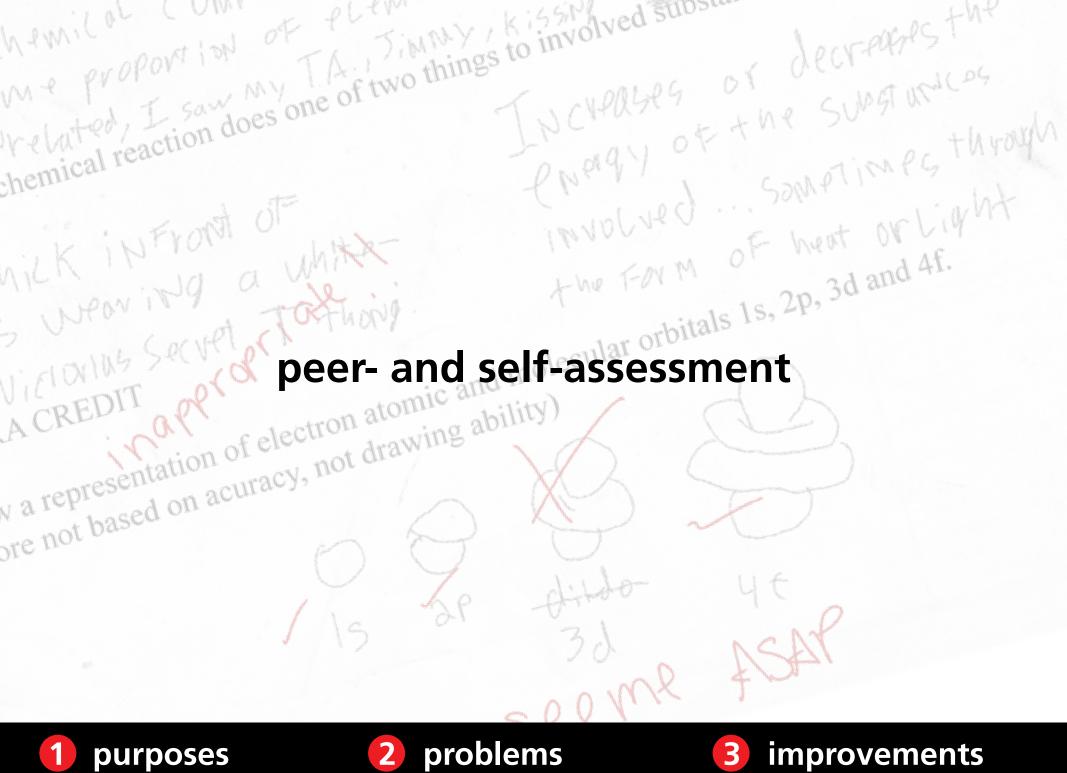


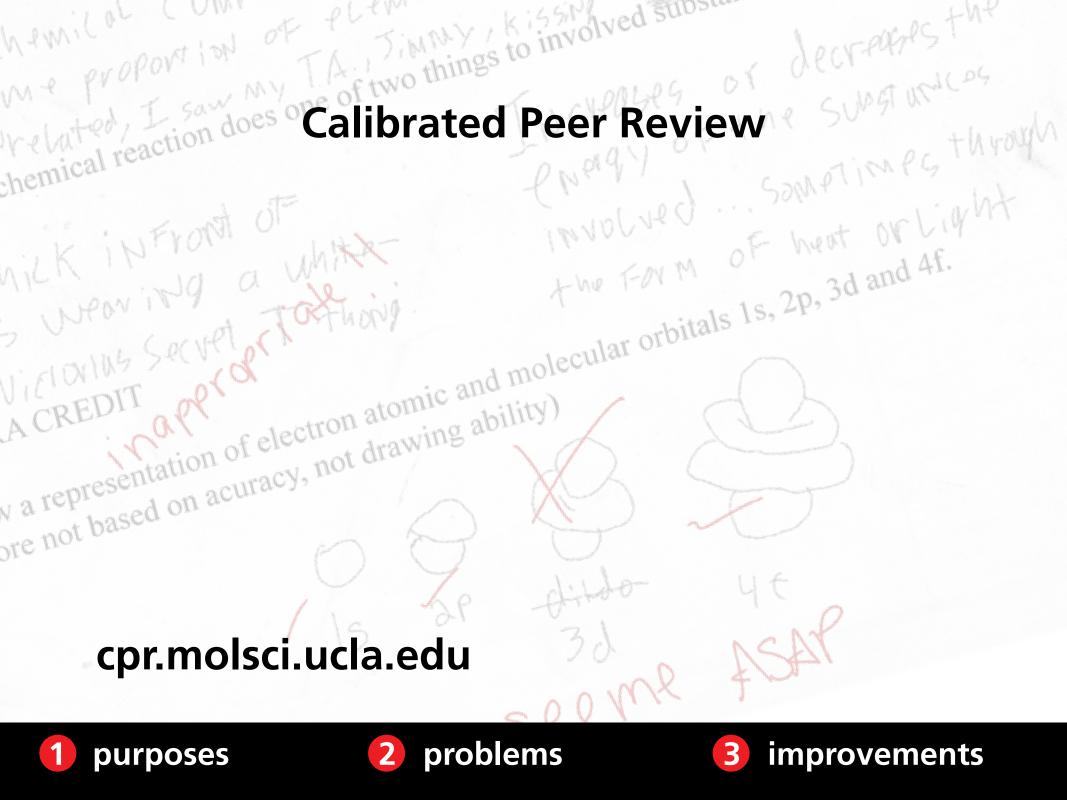


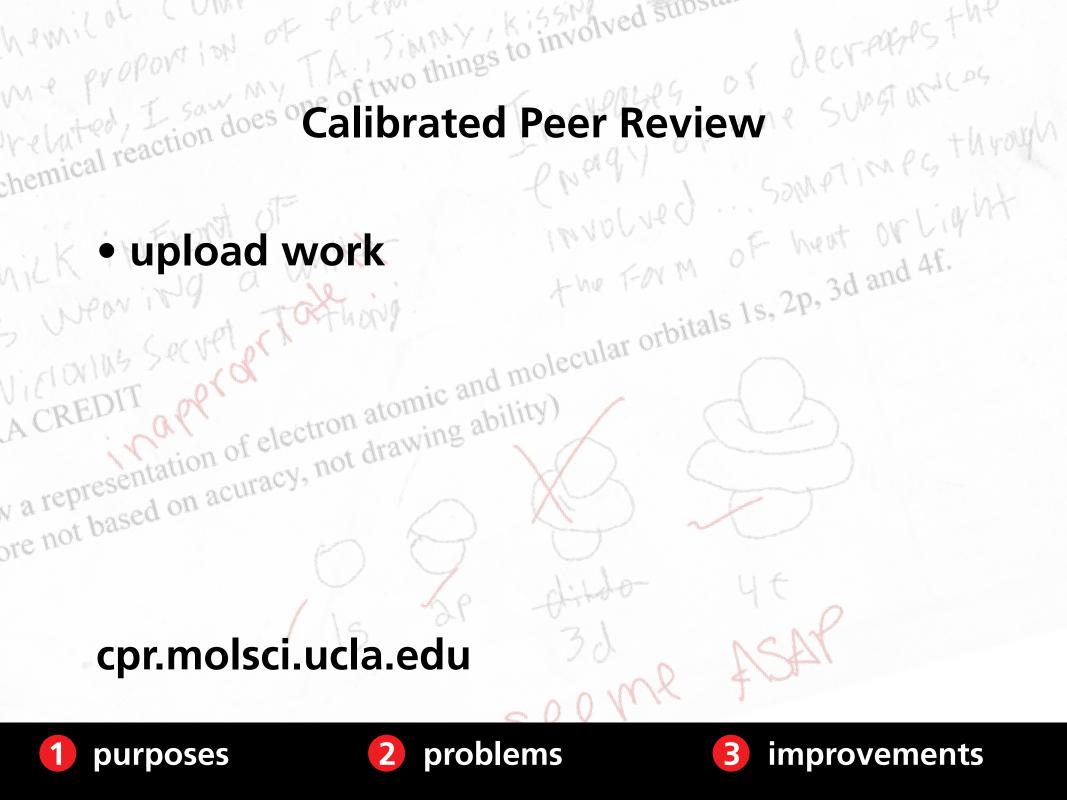


resolve coach/judge conflict









## hemical reaction does Calibrated Peer Review Sungturies involved ... Sometimes through

- upload work
- the FORM OF heat or light • rubric-based scoring of 3 calibrated pieces a representation of electron atomic and molec

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ore not based on acuracy, not drawing ability)

## the proportion of TA. The two things to involved sure decreases the chemical reaction does Calibrated Peer Review & Suretural of the chemical reaction does of Calibrated Peer Review

- upload work
- the FORM OF heat or Light 1s, 2p, 3d and 4f. rubric-based scoring of 3 calibrated pieces
- A CRES scoring of work by 3 peers

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## the proportion of TA. Things to involved survey decreases the shemical reaction does Calibrated Peer Review & Surgiture of the shemical reaction does of Calibrated Peer Review

- upload work
- the FORM OF heat Or Light 1s, 2p, 3d and 4f. rubric-based scoring of 3 calibrated pieces
- scoring of work by 3 peers

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  ore not bas scoring of own work

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