

Point Distribution for Exam 1

This is a list of how I assigned points for Exam 1. Problems 1 - 15 were 4 points each. Problems 16 - 22 were 6 points each.

1. 1 point: for showing work. 1 point: for denominator correct. 1 point: numerator correct. 1 point: for correct answer or numerator as fraction and rest is correct.
2. 1 point: for showing work. 1 point: using Difference of Cubes. 1 point: correct signs in factorization. 1 point: correct final answer
3. 1 point: showing work. 1 point: correct parentheses. 2 points: correct final answer
4. 1 point: showing work. 1 point: changed direction of sign. 1 point: interval notation correct. 1 point: inequality notation correct.
5. 1 point: showing work. 1 point: switching direction of sign. 1 point: interval notation correct. 1 point: inequality notation correct.
6. 1 point: showing work. 1 point: correct use of formula. 2 points: correct final answer
7. 1 point: showing work. 1 point: correct use of formula. 2 points: correct final answer
8. 1 point: showing work. 1 point: using two equations. 2 points: correct final answer
9. 1 point: showing work. 3 points: correct final answer
10. 1 point: showing work. 1 point: plugging in $x = 0$. 1 point: getting one y -intercept correct. 1 point: getting the other y -intercept correct
11. 1 point: showing work. 1 point: having a $y =$ in equation. 1 point: using the number given in y -coordinate. 1 point: correct final answer
- 12 (#13 Form A) . 1 point: showing work. 3 points: correct answer
- 13 (# 12 Form A). 1 point: giving an answer. 2 points: saying the answer is "no". 1 point: giving a justification
14. 1 point: showing work. 1 point: using $y = x^2$ or $[0, \infty)$. 1 point: using the correct number. 1 point: using an interval in the form $[, \infty)$.
15. 1 point: showing work. 1 point: factoring the denominator. 1 point: $x \neq$ two an-

swers from factorization. 1 point: correct answer in interval or inequality notation

16. 1 point: showing work. 1 point: bringing negative exponents to opposite side. 1 point: distribute the 6. 1 point: distribute the 6 to the 2 and 3. 2 points: correct final answer

17. 1 point: showing work. 1 point: using the correct conjugate. 1 point: multiplying the conjugate on numerator and denominator. 1 point: using parentheses correctly. 2 points: correct final answer

18. 1 point: showing work. 1 point: making parentheses for the first step of grouping. 1 point: factoring out like terms from groups. 1 point: factoring out negative correctly. 2 points: correct final answer

19. 1 point: showing work. 2 points: squaring both sides. 1 point: factoring. 1 point: one answer correct. 1 point: the other answer correct.

20. 1 point: showing work. 2 points: making two equations. 1 point: checking answer. 2 points: correct final answer

21. 1 point: showing work. 1 point: correct radius. 1 point: correct center. 1 point: standard form correct. 1 point: added numbers to both sides. 1 point: some version of standard form, even if incorrect, on page

22. 1 point: showing work. 1 point: checking x -symmetry. 1 point: x symmetry correct. 1 point: checking y symmetry. 1 point: y symmetry answer correct. 1 point: origin symmetry answer correct.