

Math 130B

EXAM 1 Review - Answers

1. a) -21
b) -420
c) 32
d) 45
e) 2
2. $-15x^{13}y^{10}z^5$
3. $\frac{13y^6}{22x^7}$
4. 96
5. $4x - 22$
6. $13x - 26y$
7. $28x - 61y$
8. $9x^9y^3z^3 - 6x^6y^6z^6 + 3x^5y^3z^2$
9. $x = -\frac{27}{4}$
10. $x = -\frac{23}{26}$
11. $x = 45$
12. $V = 120\pi in^3$
13. $g = \frac{2s}{t^2}$
14. $x = \frac{4a}{21}$
16. $x < \frac{13}{2}$
17. $x \leq \frac{9}{4}$
18. $x = -2, 4$
19. $x < -\frac{4}{3}$ or $x > \frac{8}{3}$
20. $-\frac{14}{3} < x < \frac{10}{3}$
21. John: \$11, Fred: \$5, Sue: \$13
22. $L = 62 ft, W = 20 ft$