

RCC On-line Math 52 Final Exam Practice Test ANSWERS

1. 17
2. -10
3. $-60x - 20$
4. $4x - 9y + 8z$
5. $56x + 32y + 64$
6. $-6x + 3$
7. $-9a^5 + 21a^3$
8. $\frac{5}{12}x^2 - \frac{7}{8}x + \frac{11}{10}$
9. $\frac{1}{y^9}$
10. $6x - 5$
11. 48
12. 2.5×10^{-9}
13. $\frac{12}{7}$
14. 30
15. $C = \frac{5}{9}(F - 32)$
16. $y < -5$
17. $8p^3 - 1$
18. $10x^2 - 60x + 80$
19. $16x^2 - 72x + 81$
20. $9a^2 - 60a + 100$
21. $2x^8 + 6x^4$
22. $x - 2 - \frac{9}{x-7}$
23. $(4a^2 + 3b^2)(2a - 3b)$
24. $(x + 12)(x - 3)$
25. $(3x + 2)(5x - 2)$
26. $(5x - 6)(5x + 6)$
27. Prime
28. $\frac{k}{k+9}$
29. $\frac{9y - 12}{(y+1)(y-1)(y-2)}$
30. $\frac{5}{4x-1}$
31. $\frac{y(y+8)}{21}$
32. slope = $\frac{2}{3}$, y-intercept is 3
33. $y = -\frac{5}{6}x + \frac{20}{3}$
34. $m = 2$
35. $(-4, 0)$ & $(0, 2)$
36. Perpendicular
37. $-16\sqrt{2}$
38. $\frac{\sqrt{10}}{2}$
39. x^3
40. $x = \frac{2}{3}, -3$
41. $x = \frac{-6 \pm \sqrt{6}}{6}$
42. $x = 7, -8$
43. The lengths of the sides are 18 feet, 48 feet, and 54 feet.
44. Together they can sort a crate of mail in 15 minutes.
45. The number is - 6

If you notice any errors on this answer sheet, please bring it to the attention of your instructor or to Bob Prior, who can be reached at bob.prior@rcc.edu.