

MAT 050 Practice Test
Answer Key
Chapter 12

1. 1
2. -9
3. $\frac{64}{125}$
4. 0.512
5. -1
6. $\frac{1}{16}$
7. 64
8. Degree: 3
Type: Trinomial
9. Degree: 7
Type: None of these
10. Degree: 4
Type: Binomial
11. $-3r + 6s - 9$
12. $33x^4 + 7x^2$
13. $-2y^6 + 5y^5 - 14y^4 - 3$
14. $4s + 18t$
15. $-14n^{11}$
16. $\frac{1}{36}$
17. $2^{11}y^{11}$ or $2048y^{11}$
18. m^{22}
19. $\frac{1}{y^9}$
20. p^{32}
21. $9w^{23}$
22. $\frac{r^{36}}{t^4}$
23. $16x^8y^{10}$
24. $9p^6$
25. x^6y^6
26. $\frac{1}{4p^{14}}$
27. $\frac{x^2}{25}$
28. 1
29. $\frac{b^2}{16a^2}$
30. $\frac{125y^3}{27}$
31. $-72x - 48$
32. $20x^{13} + 14x^{10}$
33. $x^2 - 16$
34. $4x^2 - 6x - 10$
35. $x^3 + 4x^2 + 2x + 35$
36. $x^3 - 2x^2 - 2x + 3$
37. $36x^2 - 25y^2$
38. $n^2 + 32n + 256$
39. $w^2 - 6w + 9$
40. $16x^2 + 72x + 81$
41. 224,100
42. 20,860,000
43. 0.000255
44. 0.00001221
45. 5.35×10^2
46. 1.8×10^7
47. 2.81×10^{-4}
48. 2.768×10^{-5}
49. $3x^4$
50. $-\frac{5}{x^6}$
51. $a^5 - 1$
52. $8x^2 - 10x + 4$
53. $\frac{x}{3} - \frac{1}{7} + \frac{1}{21x}$
54. $3x^2 - 8x - 5 + \frac{5}{4x}$