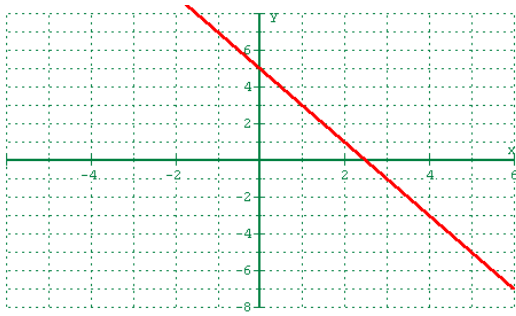


# Math Practice Test Answers:

- 73
- $\frac{5}{12}$
- 90
- $4^4 = 256$
- 7
- 3.5 or  $\frac{7}{2}$
- 40 coasters
- $46\frac{1}{4}$  ft.
- 273
- $8.1 \times 10^4$
- \$9.40
- \$3.60
- \$50
- 240 inches per hour
- 33
- $7x^2 - 7xy + y^2$
- $12x^2 - 22x - 20$
- $3x^3 - \frac{3}{2}x + 1$
- $3x(2x - 5)(x + 7)$
- $x - 4$
- $3\sqrt{2x} - 4x\sqrt{x}$
- 504
- 7
- $7 + 4\sqrt{3}$
- $x = -9$
- 6
- $x = \frac{3}{10}$
- $x > -1$
- $x = 2, y = -5$
- $2^4 a = 16a$
- $(2.1)^2 \times 10^{10}$  or  $4.41 \times 10^{10}$
- $a^{7/12}$  or  $\sqrt[12]{a^7}$
- 40%
- \$44
- 65 miles per hour

36.

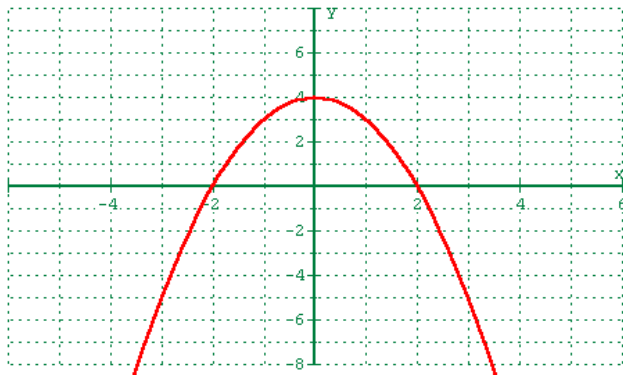


37. no

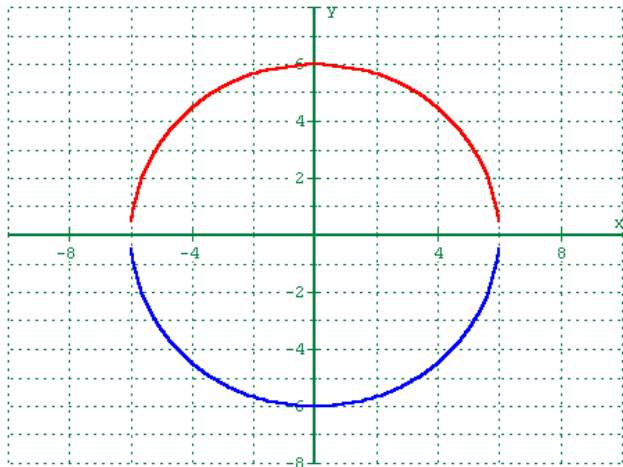
38.  $3x - y = 7$

39. 8.94

40.



41.



42.  $a^2 + 4a + 6$

43.  $x \neq -3$

44.  $x \geq 7$

45.  $y \neq 0$

46. 28

47. (-1, 4)

48.  $\frac{5}{13} + \frac{12}{13}i$

49.  $x = \frac{-5}{2}$

50.  $\log_a \frac{x^2}{y^3}$

51. 4

52.  $a_n = 2 \cdot (-3)^9$  or  $-39,366$

53.  $6 \cdot 7 \cdot 8$

54.  $x = \frac{-3}{2} \pm \frac{\sqrt{15}}{2}i$

55.  $\log \frac{8}{9}$  or  $-.051153$

56. 2 gals of water

57.  $x = \frac{7}{\sqrt{2}}$  or  $\frac{7\sqrt{2}}{2}$

58.  $\cos \alpha$

59.  $\frac{-13}{12}$

60.  $2 - \sin^2 x$