


# Algebra One Even Answers

## PS 57:

- 2] Range=93, Median=775, Mode=77.5      4]  $L = \{-7, -5, -3, -1, 1, 3, 5, 7\}$   
 6] 20%      8]  $-\frac{1}{2}$       10]  $\frac{1}{ax}$       12] (3, 3)      14] Graph of line with y-intercept at -2 and a slope of -3  
 16]  $\frac{4a^2 - 6a + b}{a^2}$       18]  $\frac{x + ayz}{y}$   
 20]  $5x^4 - 12x^3 - x - 10$       22]  $x^{-15}$       24]  $1 - \frac{8}{x^4 y^2}$   
 26] 0      28] 800 cm      30] 1800 sq. ft.

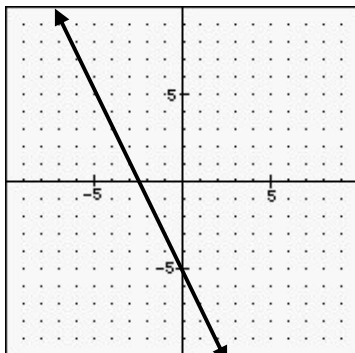
## PS 58:

- 2] 80 lb.      4] 18      6]       8] 2  
 10]  $\frac{b}{a(x+y)}$       12] (1, 2)      14] graph of line with y-intercept of -2 and slope of  $\frac{1}{2}$   
 16]  $\frac{-3p^2x^4 + 2x^2 - 5px}{p^2x^3}$       18]  $\frac{ay + bxz}{a^2xz}$       20]  $-5x^2 + 5x - 7$   
 22]  $\frac{1}{x^6 y^8}$       24]  $1 - \frac{2k^3}{m^4}$       26] -1      28] 11 ft.      30] 7520 m<sup>3</sup>

## PS 59:

- 2] 2000      4] a) True b) False c) False d) False      6] 3.05  
 8] 1.6      10]  $c(x+y) = cx + cy$       12] (1, 2)      14] Line graph with y-intercept 2 and slope of 1  
 16]  $\frac{m + km + cm}{k(k+c)}$       18]  $\frac{az - bxy^2}{xy^2z}$       20]  $5x^2 - 18x - 8$       22]  $\frac{x^4}{m^2 y^{20}}$   
 24]  $\frac{a}{p} - \frac{b}{p^4}$       26]  $-\frac{1}{8}$       28] 1.77 sq. m.      30]  $x=35, y=35$

## PS 60:

- 2] -6      4]  $L = \{-12, -8, -4, 0, 4, 8, 12\}$       6]  $3 < x < 6$       8]  $-\frac{6}{7}$   
 10]  $\frac{ax}{b}$       12] (-1, -3)      14]   
 16]  $\frac{3a^2mx^2 + 4x^2 + 2am}{am^2x}$       18]  $\frac{2y^2 + 3x}{xy^2}$   
 20]  $-5x^5 + 6x^3 - 3x^2 - 2x + 1$       22]  $\frac{x^2}{m^2 y^2}$

$$24] \frac{p^2}{x^2y} - 2y$$

$$26] -9$$

$$28] 68 \text{ in.}$$

$$30] 360 \text{ m}^3$$

**PS 61:**

$$2] 84\%$$

$$4] 800$$

$$6]$$



8] a) Integers, Rationals, Reals b) Irrationals, Reals

10] a) True b) False

$$12] -1$$

$$14] \frac{a}{b(c+x)}$$

$$16] (-1, -1)$$

18&20]

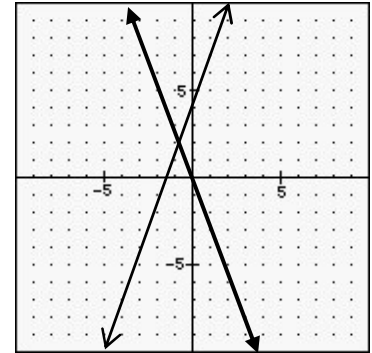
$$22] \frac{my^2 + p}{y}$$

$$24] 16x^2 + 24x + 9$$

$$26] \frac{16k^{22}x^{12}}{y}$$

$$28] -16$$

$$30] 390 \text{ ft}^2$$



**PS 62:**

$$2] 3000$$

4] Range=6, Median=Mode=Mean=100

$$6] a) 7 \quad b) 2$$

$$8] 4.3589$$

10] a) False b) True

$$12] \frac{m}{a}$$

$$14] \frac{2b^2 + 4a}{ab^2}$$

$$16] (-3, -3)$$

18] Horizontal Line Graph through -3

$$20] \frac{ay + mx^2 + cx^2 - cy^2}{x^2y^2}$$

$$22] 3ym^2(3x^3m^3 + 2y^3p^4 - y^2m)$$

$$24] \frac{a^5}{p^2}$$

$$26] -1 + \frac{3}{x^6y^3} - \frac{4y^2}{x}$$

$$28] 3\frac{3}{4} = \frac{15}{4}$$

$$30] 1200 \text{ cubic meters}$$