

# Algebra One Even Answers

## PS 68:

2] 3000

4] 7.6

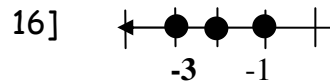
6]  $\frac{12,000(100)^3}{(2.54)^3(12)^3(3)^3} \text{yd}^3 \approx 15695.407$

8]  $\frac{3b-a}{1+b^2}$

10]  $8\sqrt{2} + 94\sqrt{3}$

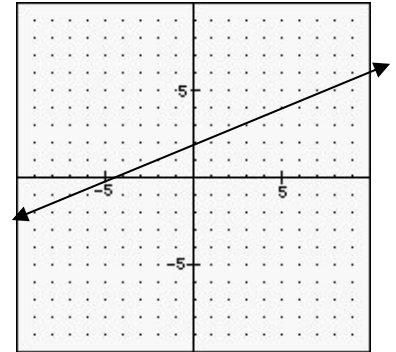
12]  $\frac{25}{324}$

14] (2, -3)



18] (5, 5)

20]



22]  $\frac{2ab-b+a^2}{a^2}$

24]  $\frac{x^{10}}{y^{10}}$

26] 19

28]  $-9x^2y$

30] 72 cubic meters

## PS 69:

2] 86%

4]  $(x+8)(x-2)$

6]  $(x+3)(x-9)$

8]  $(x+3)(x-5)$

10]  $(p+5)(p-4)$

12]  $(m+5)(m+4)$

14]  $(p-9)(p-4)$

16]  $(n+9)(n+2)$

18]  $(x-10)(x-9)$

20]  $\frac{a-4b}{x-b^2}$

22]  $-10\sqrt{7} + 40\sqrt{3}$

24] (3, -4)

26] (2, 3)

28]  $\frac{80}{9}$

30]  $144\pi \text{ ft}^2 \approx 452.389$

## PS 70:

2a]  $\frac{1}{12}$

b]  $\frac{1}{6}$

4]  $\frac{1}{16}$

6] 82.31

8]  $(m-2)(m+1)$

10]  $(p+5)(p-1)$

12]  $(b-3)(b+1)$

14]  $(a+16)(a+2)$

16]  $(x+8)(x+2)$

18]  $(x+9)(x+2)$

20]  $(x-5)(x-4)$

22]  $(x-3)(x+1)$

24]  $-4\sqrt{2} + 35\sqrt{5}$

26] (5, 5)

28]  $\frac{1+xy}{xy^2}$

30]  $864\pi \text{ cm}^3 \approx 2714.336$

**PS 71:**

2]  $\frac{1}{64}$

4a]  $\frac{1}{6}$  b]  $\frac{5}{12}$

6] 84 8]  $2(x+3)(x+2)$

10]  $x(x-5)(x+4)$

12]  $-b(b-8)(b+3)$

14]  $N_b = 10; N_n = 7$

16]  $(x-5)(x+2)$

18]  $(x-2)(x-2)$

20]  $(x+6)(x+2)$

22]  $\frac{mz^3 + nx}{xz^3y}$

24]  $-53\sqrt{3} + 66\sqrt{2}$

26a] Irrational b] Rational c] Rational d] Irrational

28] 2

30]  $320 \text{ ft}^2$

**PS 72:**

2]  $\frac{7}{15}$

4a]  $\frac{1}{9}$  b]  $\frac{13}{18}$

6] 248 lbs.

8]  $m(y+1)(x+2)(x+2)$

10]  $(x+y)(m+7)(m+5)$

12]  $ab(x-8)(x+3)$

14]  $(n-12)(n+4)$

16]  $(p-11)(p+5)$

18]  $(y+50)(y+1)$

20]  $-5 < x \leq 2$  ; Domain = { Reals}

22]  $\frac{a^2 + b}{1 - 4a}$

24] 6

26]  $N_b = 7; N_Q = 17$

28]  $14\sqrt{2}$

30]  $112 \text{ m}^3$