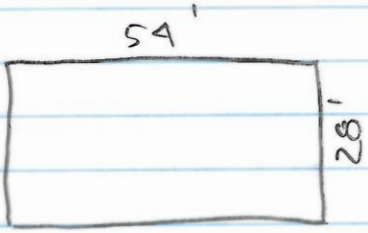
Bethany Sansing-Helton

HW 1 — KEY

PG 1 — #1

13 feet
16 feet
8 feet
24 feet
51 feet
112 feet

PG 3 — #24




(28' x 2) + (54' x 2) = ?
56' + 108' = 164'

PG 4 — # 27 PERIMETER = (SIDE A x 2) + (SIDE B x 2)

a. 30'-0" x 45'-0"
PERIMETER = (30' x 2) + (45' x 2) = ?
60' + 90' = 150'

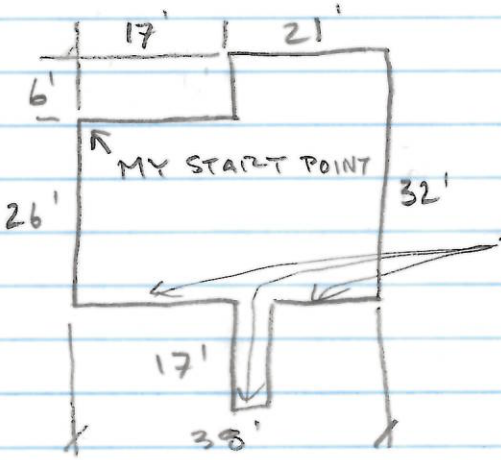
b. 52'-0" x 172'-0"
PERIMETER = (52' x 2) + (172' x 2) = ?
104' + 344' = 448'

c. 36'-0" x 102'-0"
PERIMETER = (36' x 2) + (102' x 2) = ?
72' + 204' = 276'

d. 49'-0" x 116'-0"
PERIMETER = (49' x 2) + (116' x 2) = ?
98' + 232' = 330'

# HW 1 – KEY

PG 5 – #29




17' + 6' + 21' + 32' + 38' + 17' + 17' + 26' = 174'

PG 10 – #9

$1205
× 57
$68,685

DON'T LOSE YOUR UNITS!

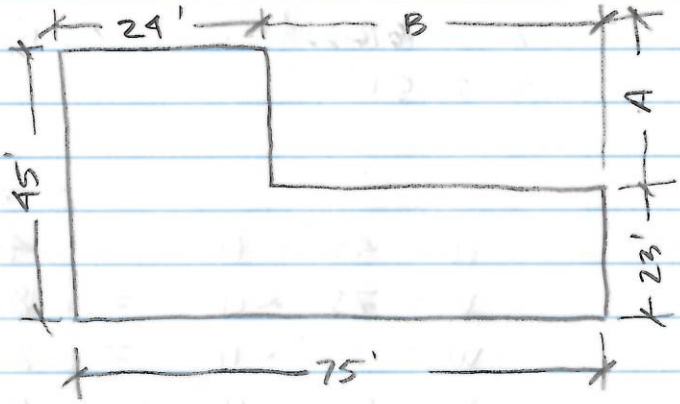
PG 10 – #11

1257 GALLONS
857
1,077,249 GALLONS

Bethany Sansing-Helton

HW 1 – KEY

PG 12 – #27




a. FIND A & B

$45' - 23' = 22' = A$

$75' - 24' = 51' = B$

b. SECTION 1 = $22' \times 24' = 528\ ft^2$

SECTION 2 = $75' \times 23' = 1725\ ft^2$

c. TOTAL AREA = $528\ ft^2 + 1725\ ft^2 = 2253\ ft^2$

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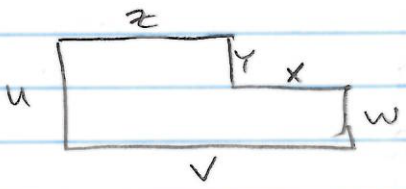
HW1 – KEY

PG 12 – #28

FROM #27

A = 22'

B = 51'




u = 45' × 11' = 495 ft²

v = 75' × 11' = 825 ft²

w = 23' × 11' = 253 ft²

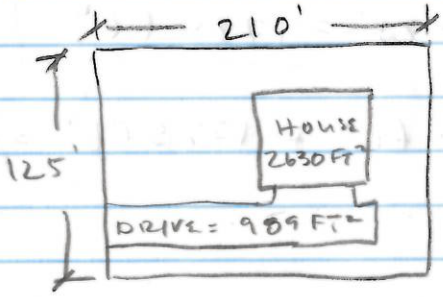
x = 51' × 11' = 561 ft²

y = 22' × 11' = 242 ft²

z = 24' × 11' = 264 ft²

2640 ft²

PG 87 – #21




TOTAL SITE SIZE = 26250 FT²

HOUSE + DRIVE = 2630 ft² + 989 ft² =

3619 FT²

YARD TO BE SEEDED =

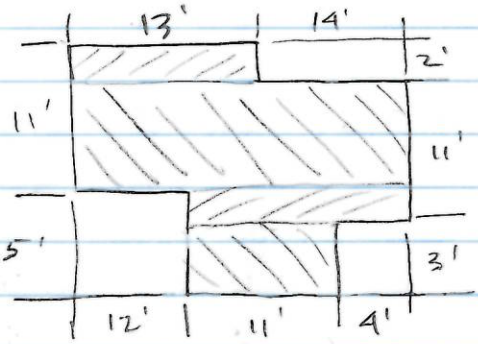
26,250 FT² – 3619 FT² =

22,631 FT²

OKAY, BUT ASKED FOR SQ YARDS NOT SQ FEET.

$$22{,}631\ FT^2 \times \frac{YARD^2}{9\ FT^2} = 2514.6\ YD^2$$

Pg 97 — #2




I'LL DIVIDE THIS INTO FOUR RECTANGULAR SECTIONS AS SHOWN. SO, TOP TO BOTTOM.

$13' \times 2' = 26\ FT^2$

$27' \times (11'-2') = 243\ FT^2$

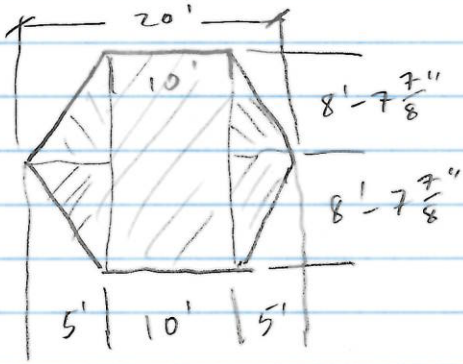
$(11'+4') \times (5'-3') = 30\ FT^2$

$11' \times 3' = 33\ FT^2$

TOTAL AREA = $26\ FT^2 + 243\ FT^2 + 30\ FT^2 + 33\ FT^2 =$

$332\ FT^2$

Pg 100 — #12




MIDDLE SECTION AREA =

$10' \times (8'-7\frac{7}{8}" + 8'-7\frac{7}{8}") =$

$173.13\ FT^2$

LEFT SECTION AREA =

$5' \times 8'-7\frac{7}{8}" =$ $43.28\ FT^2$

RIGHT SECTION AREA =

SAME AS LEFT = $43.28\ FT^2$

TOTAL AREA = $173.13\ FT^2 + (43.28\ FT^2 \times 2) =$ $259.69\ FT^2$

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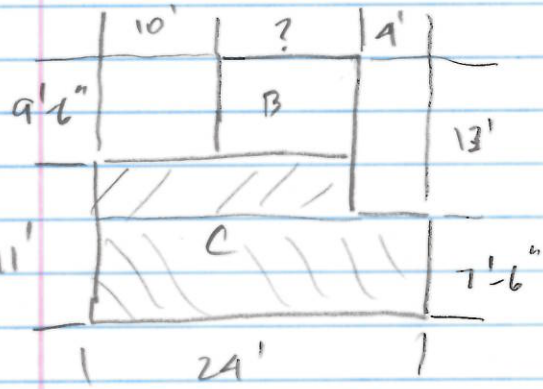
HW 1 — KEY

PG 100 — #13




$B = (24' - 14') \times 9'-6" =$
$10' \times 9'-6" = \boxed{95\ Ft^2}$

$C_{TOP} = (24' - 4') \times (11' - 7'-6") =$
$20' \times 3'-6" = 70 ft^2$

$C_{BOT} = 24' \times 7'-6" = 180 ft^2$

$C_{TOTAL} = 70 ft^2 + 180 ft^2 = \boxed{250 ft^2}$

$B + C = 95 ft^2 + 250 ft^2 = \boxed{345 ft^2}$