Level C/D

Math

GOALS

Sample Items

2019

CASAS

TURN THE PAGE

DIRECTIONS

1. Mark your answers on the answer sheet. Use a number 2 pencil only.
2. Please do **not** write in the test booklet.
3. Try to answer every question. Choose the **one** best answer. If you want to change an answer, be sure to erase the first mark completely.
4. You may use a calculator and scratch paper.

Midtown Gym costs $40 per month to join, but is having a half-price special for August.

Practice 1

How much would it cost to join for April, May and June?

A. $20

B. $40

C. $60

D. $120

Practice 2

How much would it cost to join for August?

A. $10

B. $20

C. $40

D. $60

TURN THE PAGE
TO BEGIN THE TEST

Franco is buying nails for a construction project. Each box of nails costs $14 and contains 225 nails. Franco estimates that he needs 1,800 nails.
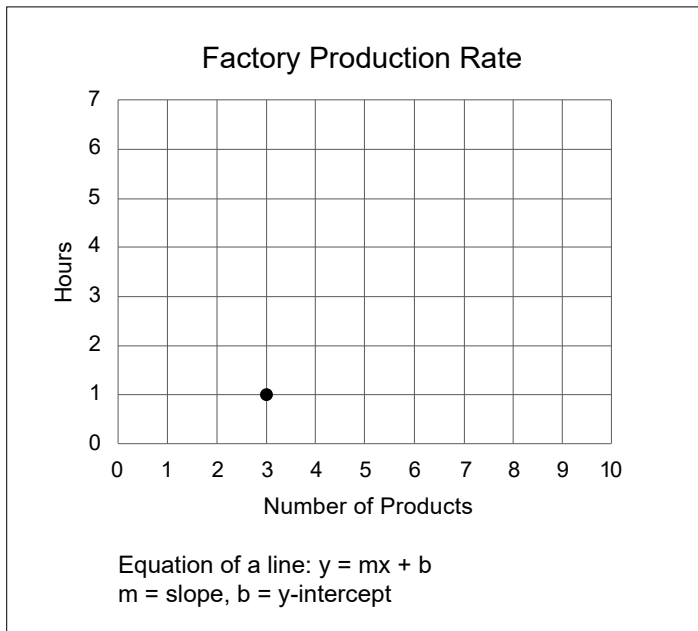
1. How can Franco calculate the total cost of the nails?

   A. $\dfrac{14}{225} = \dfrac{x}{1800}$

   B. $\dfrac{14}{1800} = \dfrac{x}{225}$

   C. $\dfrac{1800}{225} = \dfrac{14}{x}$

   D. $\dfrac{1800}{x} = \dfrac{14}{225}$

Factory Production Rate

Hours (y-axis) vs Number of Products (x-axis), point plotted at (3, 1)

Equation of a line: y = mx + b
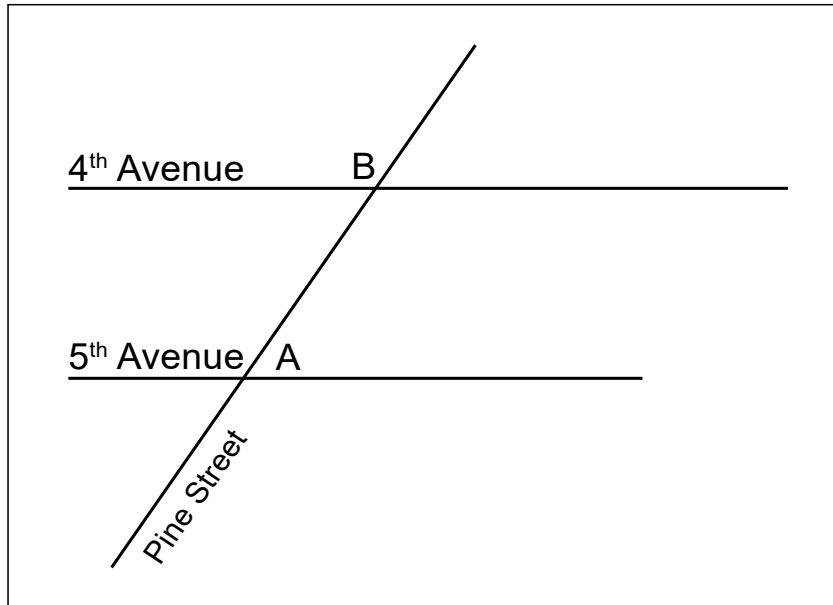m = slope, b = y-intercept

2. James is going to plot a line using the information in the chart. What is the equation of the line if the slope is $\dfrac{1}{3}$?

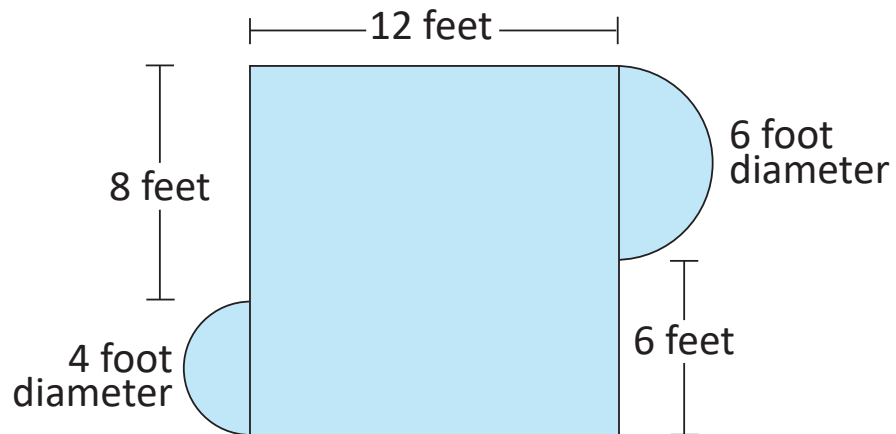   A. $y = \dfrac{1}{3}x + 0$

   B. $y = 3x + 1$

   C. $y = \dfrac{1}{3}x + 1$

   D. $y = 3x + 0$

4ᵗʰ Avenue   B

5ᵗʰ Avenue / A

Pine Street

3. Angle A, at the intersection of Pine Street and 5th Avenue, is 60 degrees. What is the measure of angle B?

A. 60 degrees

B. 90 degrees

C. 120 degrees

D. 180 degrees

Jeremy's Patio

|———— 12 feet ————|

8 feet

6 foot
diameter

4 foot
diameter

6 feet

$$(A = \pi r^2; \pi \approx 3.14)$$

4. What is the approximate area of
   Jeremy's patio?

   A. 160

   B. 164

   C. 184

   D. 308

Celia rides the downtown trolley three times every day. There are five trolleys that run on the loop downtown.

5. What is the probability that Celia will ride the #2 trolley on all three trips today?

    A. 3/25

    B. 1/15

    C. 3/5

    D. 1/125

CASAS Math GOALS – Sample Test Items

Answer Key

Level C/D

Pract. 1. D
Pract. 2. B

       1. A
       2. A
       3. C
       4. B
       5. D