

Station Answers

Station 1

EQ 1

$$b = 0$$

EQ 2

no solution

EQ 3

infinite solut.

Station 2

EQ 1

$$x = -17$$

EQ 3

$$y = 36$$

EQ 2

$$x = -8$$

EQ 4

$$y = 1$$

Station 3

EQ 1

$$n = 430$$

EQ 2

infinite solution

EQ 3

$$r = -7$$

Station 4

Problem 1

$$d = 120 - 30t$$

Problem 2

$$s = 1 + 2t$$

Problem 3

$$v = 50 - 2t$$

Station 5

EQ 1

Infinite solutions

EQ 2

$$n = 0$$

EQ 3

No solutions

Station 6

Problem 1

$$x \mid 0 \mid 10 \mid 20$$

$$y \mid -4 \mid 12 \mid 28$$

Problem 2

$$x \mid -1 \mid 0 \mid 1$$

$$y \mid 6 \mid 7.5 \mid 9$$

Station 7

EQ1

no solution

EQ2

$$x = \frac{11}{2} = 5.5$$

EQ3

infinite sol

Station 8

Problem 1

(a) $A = 100 + 5W$

(b) 42 weeks

Problem 2

(a) $h = 30000 - 2000m$

(b) 18000 feet

Problem 3

(a) $M = 50 - 5d$

(b) 7 days