

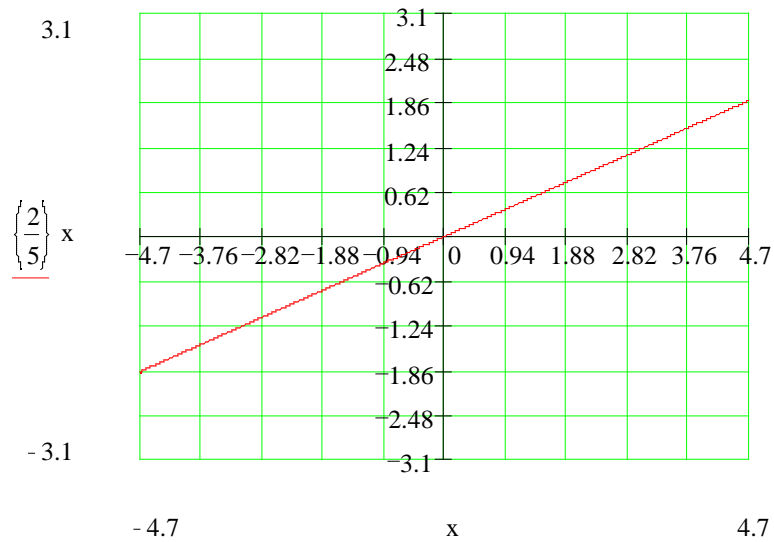
3.3 Proportions

1) Several proportions can be set up from the given information: $\frac{50}{2} = \frac{150}{6}$ or

$$\frac{2}{50} = \frac{6}{150} \text{ or } \frac{2}{6} = \frac{50}{150} \text{ or } \frac{6}{2} = \frac{150}{50}.$$

- 3) 48 ft
- 5) Proportion C
- 7) 40 min
- 9) There are around 1600 penguins in the region.
- 11)

a)



b) Answers will vary. Three pairs of numbers that satisfy the equation $y = \frac{2}{5}x$ are (5, 2), (-5, -2), and (1, 0.4).

- 13) $l = 10.5$ cm
- 15) 3.5 ft .
- 17) $6x - 30$
- 19) Area = 177.62 m^2
Perimeter = 59.4 m