

Pre-Algebra Homework #12 – Answer Key

1) none

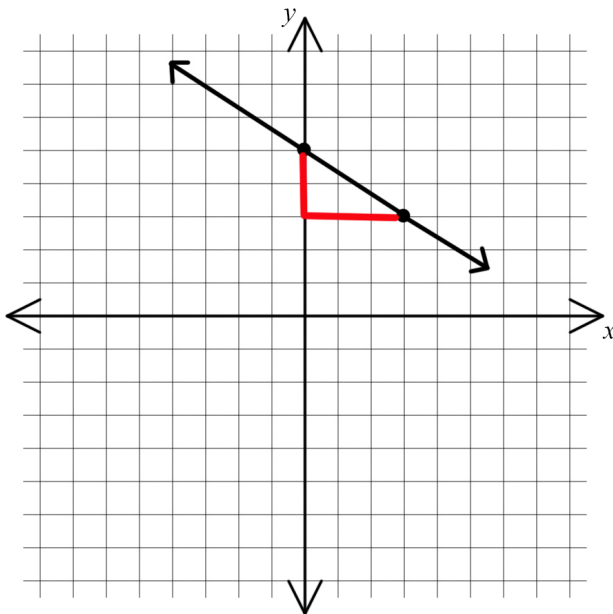
2) Constant of proportionality = 8

| | | | |
|-----------------------|---|----|----|
| Number of cars washed | 1 | 2 | 3 |
| Earnings (\$) | 8 | 16 | 24 |

3) *Answers will vary but must contain or statements, and statements, or both

4) \$206.31

5) The constant of proportionality (slope) = $-\frac{2}{3}$



6) $87 = 3.41x + 8.57$ 23 weeks

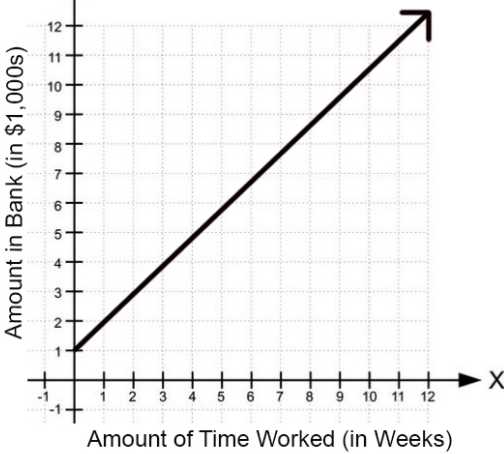
7) $611 = 13x$ 47 days

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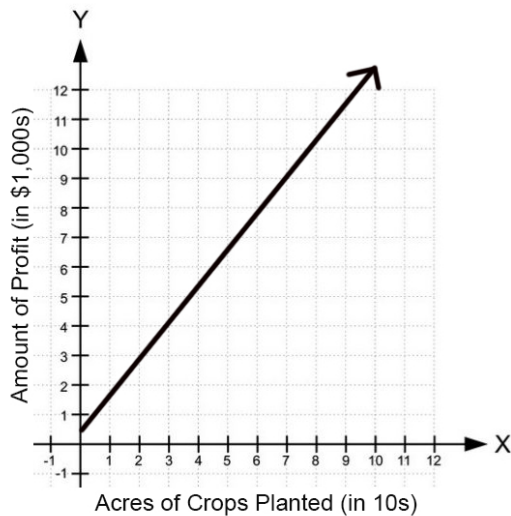
8) $y = \frac{135}{8}x + 1000$ \$7,615



9) 146 steps

10) 65 days

11) $y = 125x + 400$ 75 acres



12) $y = -2,000x + 30,000$ 20,000 feet

13) $y = 5x + 100$ 42 weeks

14) $y = -3x + 110$ \$110

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15) $y = .99x + .96$ 11 minutes

16) $y = 4x + 146$ $\frac{149}{2}$ or 74.5 degrees

17) $y = 648x + 1,576$ 13 weeks

18) 25 tickets

19) 6 fish

20) $y = 18x + 45$ \$45 \$135

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