Pre-Algebra Homework #12 – Answer Key

1) none
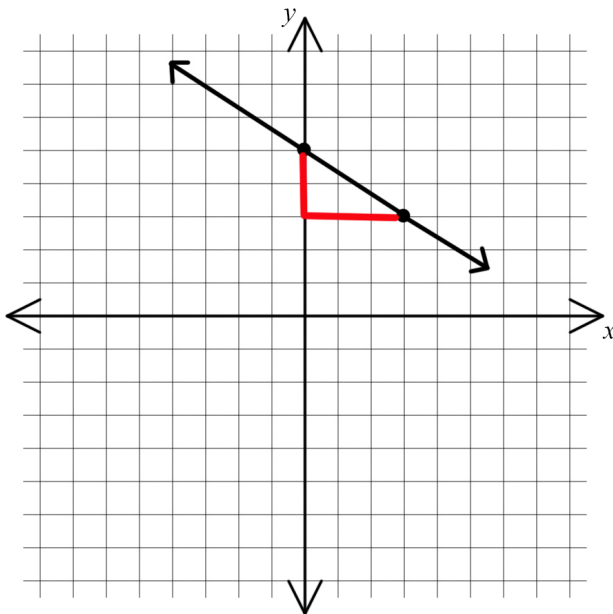
2) Constant of proportionality = 8

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) = $\dfrac{-2}{3}$

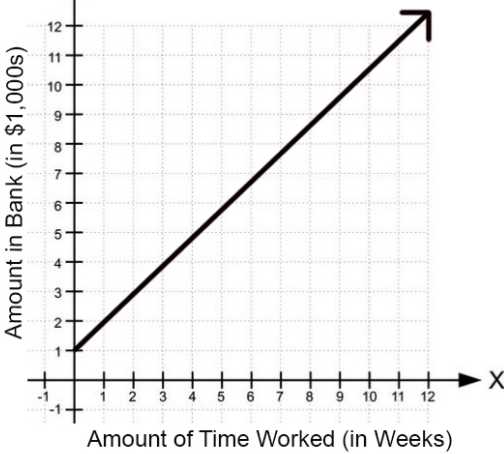6) $87 = 3.41x + 8.57$ 23 weeks

7) $611 = 13x$ 47 days

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

Amount in Bank (in $1,000s)

Amount of Time Worked (in Weeks)

9)   146 steps

10)   65 days

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

Amount of Profit (in $1,000s)

Acres of Crops Planted (in 10s)
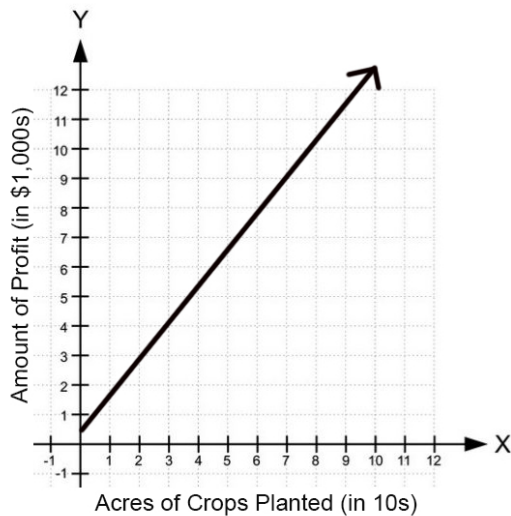
12) $y = -2{,}000x + 30{,}000$ 20,000 feet

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

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

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

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

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

18) 25 tickets

19) 6 fish

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