Applications of Linear Systems: Geometry/Money Problems

Assigned Work:

- p. 40 #17
- p. 55 #9

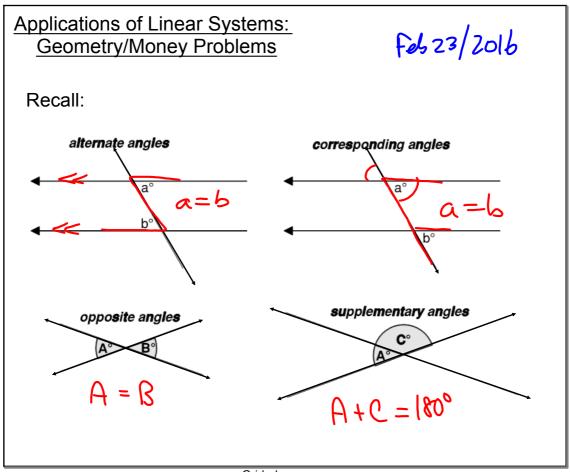
plus:

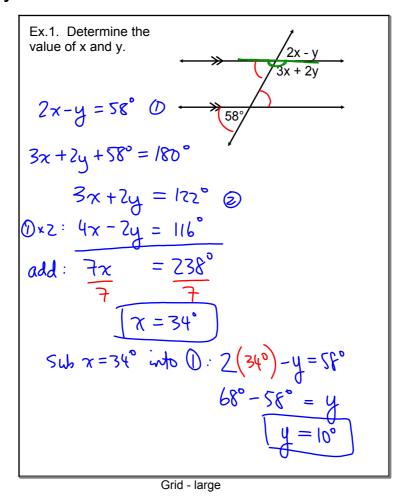
Erik has \$4.80 in nickels and quarters. If he has 6 more nickels than quarters, how many of each does he have?

Review for Test:

p. 62 # 5a, 6, 7bc, 9, 12acd, 13, 14, 16, 17, 18

Feb 16-12:30 PM



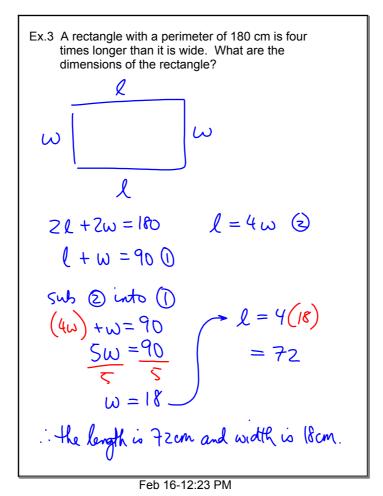


Ex.2 The coin box of a vending machine contains half as many quarters as dimes. If the total value of the coins is \$22.50, how many dimes are there?

Let
$$d$$
 and g be the number g dimes and quarters.

 $g = \frac{1}{2}d$ or $2g = d$ 0
 $0.10d + 0.25q = 22.50$ 0

Sub 0 into 0
 $0.10 \left(2g\right) + 0.25q = 22.50$
 $0.20q + 0.25q = 22.50$
 $0.45q = 22.50$
 $0.45q = 25.50$
 $0.45q = 50$
 $0 : d = 2(50)$
 $0 : d = 2(50)$



Assigned Work:

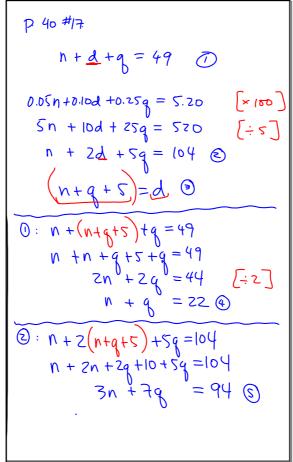
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plus:

Erik has \$4.80 in nickels and quarters. If he has 6 more nickels than quarters, how many of each does he have?

Review for Test:

p. 62 #5a, 6, 7bc, 9, 12acd, 13, 14, 16, 17, 18



Feb 24-1:59 PM

