Solve the following.

1. A pilot flew from airport P to airport Q at a rate of 100 km/hr and flew back from airport Q to airport P at 120 km/hr. The total time it took was 11 hours. How far is it from airport P to airport Q?

2. A coin collection amounting to $75 consists of nickels and dimes. There are 3 times as many nickels as dimes. How many coins of each kind are there?

3. Mr. Johns has $4.62. He has 3 times as many dimes as nickels and 6 more pennies than dimes. How many coins of each kind does he have?

4. Nick has in his pocket a number of pennies, 4 times as many nickels as pennies and 4 more quarters than pennies. The coins amount to $2.27. Find the number of each kind of coin.

5. Solve: $x-18=-5$

6. Solve: $x^4+18x^2+72=$

7. Find the value of x. The distance between (4,x)(-5,8) is $\sqrt{155}$

1   2   3   4   5   6   7   8   9