

Homework #18

Solve

1. $x + y = 4$
and $2x + y = 7$

7. $a + b = 10$
and $a + 2b = 18$

13. $x = 4 + y$
and $2x = 17 + y$

2. $x - y = 5$
and $x + 3y = 17$

8. $a - b = 5$
and $3a + b = 25$

14. $k - 5 = t$
and $2k + 4t = 40$

3. $3x + 2y = 7$
and $2x + 4y = 18$

9. $3a + 2b = 2$
and $6a + 3b = 9$

15. $3p + 5q = 34$
and $p + 4q = 30$

4. $5x + 2y = 10$
and $2x + 3y = -7$

10. $a + 2b = 4$
and $2a + 3b = 5$

16. $3a + 2b = 22$
and $2a + 3b = 23$

5. Two pigs and a cow cost \$500. A pig and 2 cows cost \$760. What does a pig cost?

11. Bill and Ted together have \$650. Bill has \$220 less than Ted. How much does Ted have?

17. Abe is two years younger than Jill. Their ages added are 68. How old is Abe?

6. A cow costs \$200 more than a pig. Two pigs and 3 cows cost \$900. What is a pig?

12. Bill has *at least* 20 credits more than Ted. Together they have 145 credits. What is the least credits that Bill can have?

18. Abe and Jill work 9 hours total and earn \$210. Each hour Abe earns \$20 and Jill earns \$25. How many hours does Abe work?