

Review Sheet #2 for final exam

1. Solve for x : $12 - 5x = -7x - 2$
2. Solve for x : $\frac{7}{9}x + \frac{2}{3} = 5 + \frac{1}{3}x$
3. Solve for x : $-0.2(x+1) = 0.3(x+11)$
4. Solve for x : $-x = 9$
5. Solve for x : $\frac{7x-3}{2} - 4 = \frac{5x+1}{3}$
6. Solve for x : $0.9y + 3 = 0.4y + 1.5$
7. Solve for x : $4(2x+3) = 5(x-3)$

Review Sheet #2 for final exam

1. Solve for x : $12 - 5x = -7x - 2$
2. Solve for x : $\frac{7}{9}x + \frac{2}{3} = 5 + \frac{1}{3}x$
3. Solve for x : $-0.2(x+1) = 0.3(x+11)$
4. Solve for x : $-x = 9$
5. Solve for x : $\frac{7x-3}{2} - 4 = \frac{5x+1}{3}$
6. Solve for x : $0.9y + 3 = 0.4y + 1.5$
7. Solve for x : $4(2x+3) = 5(x-3)$

8. Solve for B : $V = \frac{1}{3}Bh$

9. Solve for f : $10 + 3f = 5e - 2f$

10. Use an equation to solve the following problem. Remember to define your variable, write your equation, solve your equation, and write your answer in an English sentence.

Mary Jane was selling apples, plums, and nectarines at the local farmers' market. She sold 15 more pounds of apples than pounds of nectarines. She sold 4 times as many pounds of plums as pounds of nectarines. She sold a total of 45 pounds of these fruit. How many pounds of each type did she sell?

11. Use an equation to solve the following problem. Remember to define your variable, write your equation, solve your equation, and write your answer in an English sentence.

The length of the rectangle is 2 meters more than triple its width. If its perimeter is 60 square meters, find its dimensions. (Reminder: the perimeter of a rectangle is given by the formula $A = 2l + 2w$.)

8. Solve for B : $V = \frac{1}{3}Bh$

9. Solve for f : $10 + 3f = 5e - 2f$

10. Use an equation to solve the following problem. Remember to define your variable, write your equation, solve your equation, and write your answer in an English sentence.

Mary Jane was selling apples, plums, and nectarines at the local farmers' market. She sold 15 more pounds of apples than pounds of nectarines. She sold 4 times as many pounds of plums as pounds of nectarines. She sold a total of 45 pounds of these fruit. How many pounds of each type did she sell?

11. Use an equation to solve the following problem. Remember to define your variable, write your equation, solve your equation, and write your answer in an English sentence.

The length of the rectangle is 2 meters more than triple its width. If its perimeter is 60 square meters, find its dimensions. (Reminder: the perimeter of a rectangle is given by the formula $A = 2l + 2w$.)