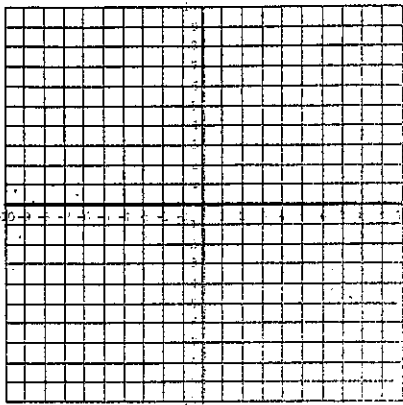


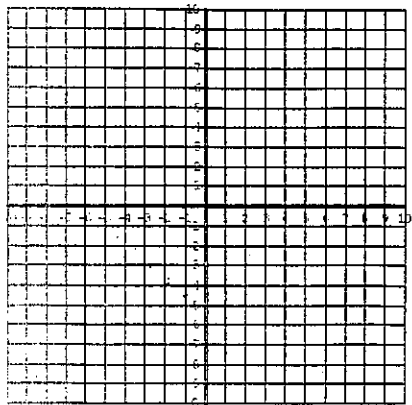
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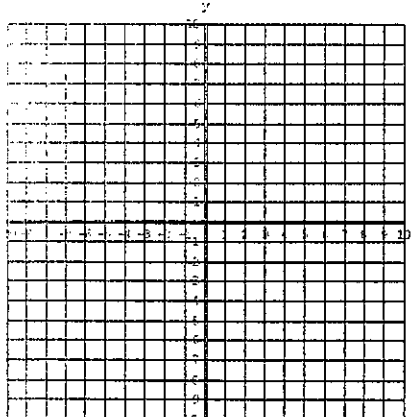
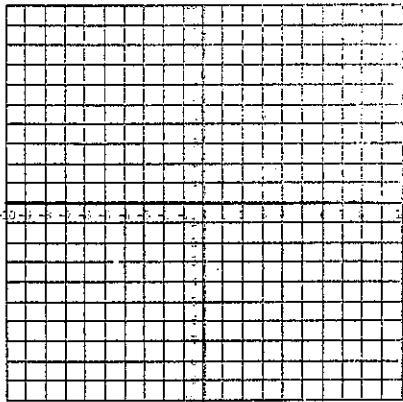
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13.



Simultaneous Equations

Level 1

4) Donna and Jay were saving for a \$54 bike. When they combined their money, they had exactly the right amount of money. They also knew that they could buy a \$137 racing bike if Donna doubled her money and Jay tripled his. How much money does Jay have?

5) Anna and Claire found out that they were not only the same height, but they weighed the same too. They decided to see if their algebra class could guess their height and weight with two clues. Use the clues and determine Anna and Claire's height and weight.

Clue 1: When one of our weights is added to one of our heights (in inches) the number you would get is 144.

Clue 2: If you triple Anna's weight and then subtract her height (in inches), you would get 184.

6) Ben's allowance plus his friend's allowance equals \$11.25. If Ben's allowance is tripled, their allowances would total \$27.25. How much is Ben's allowance?