Tests

Darken the circle in front of the correct answers. (1 mark each)

1. Which of the following is the answer of the system of equations $3x - 4y = -1$ and $2x - 5y = 4$?

   ❀ $(-3,-2)$ ❀ $(-3,2)$

   ❀ $(3,-2)$ ❀ $(3,2)$

2. Which of the following is the solution of the system of equations $5x - y = -8$ and $2x + 3y = 7$?

   ❀ $(-1,-3)$ ❀ $(-1,3)$

   ❀ $(1,13)$ ❀ $(2,1)$

3. Which of the following is the solution of the following system of equations?

$$\frac{x}{2} + \frac{y}{3} = \frac{5}{72}$$
$$\frac{x}{4} + \frac{5y}{2} = -\frac{17}{48}$$

   ❀ $\left(-\frac{1}{3}, -\frac{1}{4}\right)$ ❀ $\left(-\frac{1}{4}, -\frac{1}{6}\right)$

   ❀ $\left(\frac{1}{4}, -\frac{1}{6}\right)$ ❀ $\left(\frac{1}{4}, \frac{1}{6}\right)$

4. Soi has x baht, and Ploy has y baht. The sum of their money is 1,000 baht. If Soi had another 100 baht, she would have the same amount as Ploy's money. If Ploy spends 20% of her money on a book, how much money does Ploy have left?

   ❀ 360 baht   ❀ 440 baht

   ❀ 450 baht   ❀ 550 baht

5. Prakit and Chakkaphob live 500 kilometres away from each other and start to drive to each other at the same time as shown below.

They meet after driving for 2 hours. If Prakit drives 25 kilometres an hour faster than Chakkaphob, what is the velocity of their cars?

   ❀ 110 and 85 km/hr   ❀ 112 and 87 km/hr

   ❀ 112 and 87.5 km/hr   ❀ 137.5 and 112.5 km/hr