YH03-1A

$$\frac{3}{}$$

$$\underline{9} \qquad \underline{81} \qquad \underline{\pm 3}$$

$$\underline{3}$$

$$\underline{a+b-c}$$

$$\underline{-a+b+c}$$

$$4 , 11 , 16 , 19 , 20$$

$$-1$$

$$0.5$$

YH03-4A

$$\frac{X-5}{}$$
$$\frac{0}{}$$
$$\underline{-(X-5) = 5-X}$$

$$-(X-2) + X + 2 = 4$$

$$\pm \sqrt{(2^2 \times 3 \times 5^3)^2} = \pm 1500$$

$$1500$$

YH03-2A

$$\pm 18$$

$$\underline{30}$$

$$\underline{3}$$

$$\underline{1} \qquad \underline{52}$$

$$\underline{12}$$

$$33 < 3X < 60$$
$$5.74 < \sqrt{3X} < 7.75$$
$$\sqrt{3X} = 6 , 7$$

$$36 \div 3 = 12$$
$$X = \underline{12}$$

$$\sqrt{5 + 5 + 16 + 11 - 1} = 6$$

YH03-5A

$$1000 - (31 \times 31) = 39$$
答：39塊

$$7X - 2Y = 17 \qquad X = 3$$
$$2X + 2Y = 10 \qquad Y = 2$$
$$\sqrt{3 + 6} = 3 \qquad 答：3$$
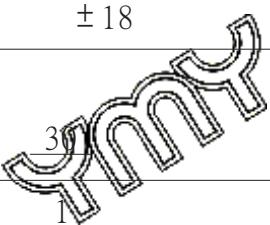
$$16 \times \frac{9}{16} + 4 \times \frac{17}{4} - 12 \times \frac{11}{12}$$
$$= 9 + 17 - 11 = 15$$

YH03-3A

$$3X - 1 = 0 \qquad X = \frac{1}{3}$$
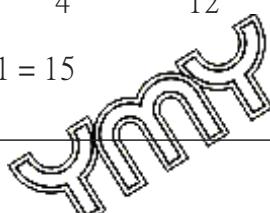
$$2Y + 1 = 0 \qquad Y = \frac{-1}{2}$$

$$3X - 2Y = 1 + 1 = 2 \qquad 答：2$$

$$a = 5 \qquad b = -7 \qquad c = -2$$

$$\sqrt{30 + 14 - 8} = 6 \qquad 答：6$$

$$3X + 3Y = -3 \qquad X = 2$$
$$2X - 5Y = 19 \qquad Y = -3$$

$$X - Y = 5 \qquad 答：\pm\sqrt{5}$$

YH03-6A

$$a = 6 , 13 , 22 , 33$$
答：4個

$$3 , 4$$

$$315 = 3^2 \times 5 \times 7$$
$$a = 7 , \quad b = 5$$
答：7

YH03-1B	YH03-4B

YH03-1B

- $X = 5$

- 16 $\underline{256}$ ± 4

  4

- $X = \dfrac{-4}{9}$

- 0

- 7 $\pm \dfrac{7}{4}$

- 7

YH03-4B

$$\dfrac{a}{0}$$
$$\overline{-a}$$

(1) $\sqrt{(5X-4)^2} = 5X-4$
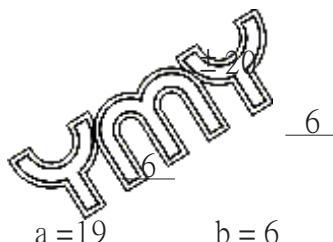
(2) $\sqrt{(5X-4)^2} = 0$

(2) $\sqrt{(5X-4)^2} = -(5X-4) = -5X+4$

$\pm\sqrt{2^6 \times 3^2 \times 5^4} = \pm\sqrt{(2^3 \times 3 \times 5^2)^2} = \pm 600$

$\sqrt{2^6 \times 3^2 \times 5^4} = 600$

$\sqrt{(X-3)^2} + \sqrt{(X+3)^2} = -(X-3) + X + 3$

$= 6$

YH03-2B	YH03-5B

YH03-2B

$\underline{\quad 6 \quad}$

6

$a = 19 \qquad b = 6$

$\underline{X = 18}$

$a = 15 \qquad b = 15 \qquad c = 36 \qquad d = 11$

$\sqrt{a+b+c+d+4} = \sqrt{81} = 9$

YH03-5B

$300 - 17^2 = 300 - 289 = 11$

答：11塊

$X - Y = 3 \qquad X = 2$

$3X + 7Y = -1 \qquad Y = -1$

$X - Y = 3$

$\sqrt{4\dfrac{64}{196}} + \sqrt{16\dfrac{289}{16}} - \sqrt{\dfrac{196}{81}}$

$= \dfrac{8}{7} + 17 - \dfrac{14}{9} = \dfrac{1045}{63}$

YH03-3B	YH03-6B

YH03-3B

$2X - 1 = 0 \qquad 3Y - 1 = 0$

$X = \dfrac{1}{2} \quad Y = \dfrac{1}{3} \quad 6(X+Y) = 5$ 答：5
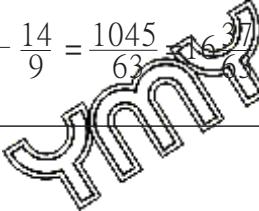
$a = -8 , \quad b = 3 \qquad c = -6$

$\sqrt{(-8) \times 3 \times (-6)} = \sqrt{144} = \sqrt{12^2} = 12$

答：± 12

$X + Y = 2 \qquad X = 3$

$X - Y = 4 \qquad Y = -1$

$9 + (-2) = 7$ 答：7

YH03-6B

$X = 3 , \quad 12 , \quad 48 , \quad 27$ 共4個

$X = 1 , \quad Y = 20$

$X + Y = 21$ 答：21

$\sqrt{45 - 10X} \qquad 45 - 20 = 25$

$20 = 10X$

$X = 2$

答：2