

Lunar Hideout 1

Simplify: $(-2x^3y^{-2})^{-4}$

If $\frac{1}{-16x^{12}y^8}$	then go to 3
If $\frac{y^8}{-16x^{12}}$	then go to 8
If $\frac{y^8}{16x^{12}}$	then go to 5
If $\frac{1}{16x^{12}y^8}$	then go to 9

Lunar Hideout 2

Simplify: $\left(\frac{(-3)^3}{(-1)^3}\right)^{-2}$

If $\frac{1}{729}$	then go to 3
If $\frac{2}{729}$	then go to 7
If $-\frac{2}{729}$	then go to 6
If $\frac{-1}{729}$	then go to 1

Lunar Hideout 3

Simplify: $(x^2 + 3x - 4) + (-3x^2 - 3x + 4) =$

If $-2x^2 - 6x - 8$	then go to 10
If $-4x^2 - 6x - 8$	then go to 2
If $-3x^2 - 6x - 8$	then go to 4
If $-2x^2$	then go to 9

Lunar Hideout 4

Simplify: $(x^2 + 3x - 4) - (-3x^2 - 3x + 4) =$

If $4x^2$	then go to 1
If $4x^2 + 6x - 8$	then go to 10
If $-4x^2 - 6x + 8$	then go to 8
If $-3x^2 - 6x + 8$	then go to 6

Lunar Hideout 5

Factor: $a^2 - 13a + 30$

If $(a + 10)(a + 3)$	then go to 9
If $(a + 10)(a - 3)$	then go to 10
If $(a - 10)(a - 3)$	then go to 7
If $(a - 10)(a + 3)$	then go to 4

Lunar Hideout 6

Factor: $x^2 + 10x - 11$

If $(x - 10)(x - 1)$	then go to 2
If $(x + 11)(x - 1)$	then go to 1
If $(x + 10)(x + 1)$	then go to 5
If $(x - 11)(x + 1)$	then go to 10

Lunar Hideout 7

Factor: $4axy^3 + 8ax^3y^5$

If $4x^3y^3(a + 2ay^2)$ **then go to 2**

If $4(1axy^3 + 2ax^3y^5)$ **then go to 3**

If $4axy^3(2x^2y^2)$ **then go to 4**

If $4axy^3(1 + 2x^2y^2)$ **then go to 8**

Lunar Hideout 8

Distribute: $-2x(2x - 4y)$

If $-4x^2 + 8xy$ **then go to 2**

If $4x^2 - 8xy$ **then go to 5**

If $-4x + 8xy$ **then go to 6**

If $4x - 8xy$ **then go to 7**

Lunar Hideout 9

Simplify: $(5x^2y^{-3})^2$

If $\frac{25y^6}{x^4}$ **then go to 7**

If $\frac{y^6}{25x^4}$ **then go to 1**

If $\frac{25x^4}{y^6}$ **then go to 4**

If $\frac{25}{x^4y^6}$ **then go to 5**

Lunar Hideout 10

Simplify: $(-3a^{-4}b^{-2})^3$

If $\frac{-27}{a^{12}b^6}$ **then go to 6**

If $\frac{27}{a^{12}b^6}$ **then go to 1**

If $\frac{a^{12}b^6}{27}$ **then go to 5**

If $\frac{a^{12}b^6}{-27}$ **then go to 3**