

Nā Hanana o ka Mokuna 3



Hanana 3.1: Ke Kaua ma Ke Kai**ʻŌlelo Mua:**

ʻO Kamehameha Paiʻea ke kanaka mua i hoʻohui pū i ka pae ʻāina o Hawaiʻi a aupuni mōʻī. No ka hoʻohui ʻana i ka pae ʻāina, pono e mākaukau ke alakaʻi i ke alakaʻina i ka ʻau moku waʻa kaua a pae i kahi o ka ʻenemi me ke kaupale pū i nā ʻenemi. Ma kēia hanana, e hoʻohana kākou i nā haʻihelu lālani no ke kūpale i ko kākou kahakai mai ka hoapapa hoʻouka kaua.

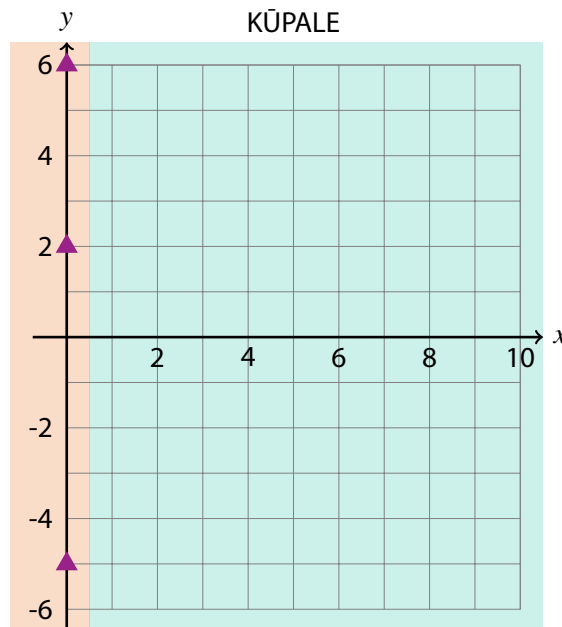
Nā Pono Hana:

1. Peni/Penikala
2. Pepa hakahaka

Hana:

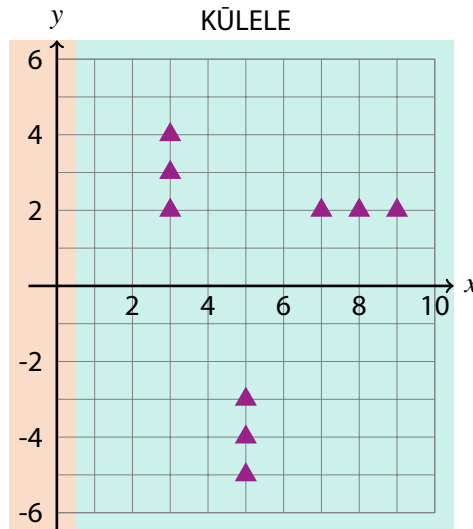
1. E ʻimi i hoa paio a e paʻi i ʻelua kope o ka papa pāʻani, hoʻokahi nou a hoʻokahi no ka hoa paio. Aia ka papa pāʻani ma ka hopena o kēia mau ʻōkuhi.
2. E noho ma kekahi wahi i hiki ʻole ke ʻike i ka papa pāʻani a ka hoa paio. E hoʻokū paha i kekahi puke nui i waena ou a me ke hoa.
3. Hōʻike ka ʻaoʻao KŪPALE i kou kahakau, a me kou mau kiaʻi a me ke kai āu e kūpale ai.
4. Ma ka ʻaoʻao KŪPALE, e koho i 3 wahi ma ka iho-y no ka waiho i nā kiaʻi. E māka i kēia mau wahi me kekahi huinakolu. Makaʻala: e hoʻohana i nā helu piha wale nō no nā wahi o kou mau kiaʻi (Maikaʻi ʻo $(0,2)$ a me $(0,-3)$. ʻAʻole ʻo $(0, 2.5)$).

Làʻana:



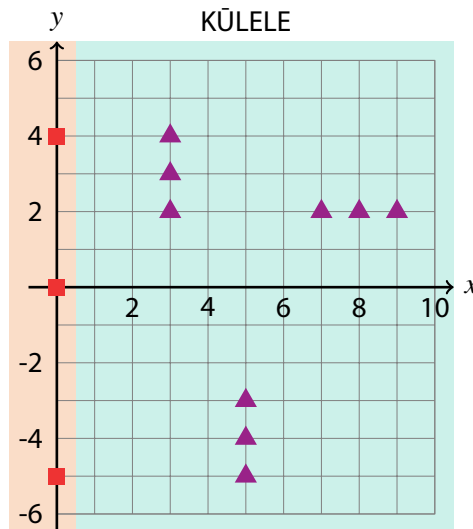
5. Hō'ike ka 'ao'ao KŪLELE i kahakai o ka hoa paio a me kahi āna e ho'ouna ai i nā wa'a kaua.
6. Ma ka 'ao'ao KŪLELE, e koho i 3 wahi e waiho ai i 'ekolu wa'a kaua. Aia 3 koa ma luna o kēlā me kēia wa'a kaua pākahi no laila, pono e ho'olalani ma ka lālani a i 'ole e ho'olālani ma ke kolamu. E māka i nā wahi o nā koa me kekahi huinakolu. Mana'o: e like me ma mua, e ho'ohana i nā helu piha wale nō.

Lā'ana:



7. E ho'oka'a'ike i nā wahi o nā kīa'i i ka hoa paio a e loa'a nā wahi o nā kīa'i o ka hoa paio iā 'oe. E māka i nā wahi o nā kīa'i o ka hoa paio ma kāu palapala 'āina KŪLELE me kekahi huinahā.

Lā'ana: Inā, aia nā kīa'i o ka hoa paio ma $y = -5, 0, a$ me 4 e like ana ka nānā o ka palapala 'āina me kēia.



8. E *janken po* no ka 'ike i ka mua e hele. E māhele manawa ma ke kūpale i kou kahakai ma ke 'ō'ō ihe 'ana i ke kai i nā koa e ho'ouka kaua ana.
9. **'O ka mea mua e pau ai nā koa o ka hoa paio ka lanakila.**

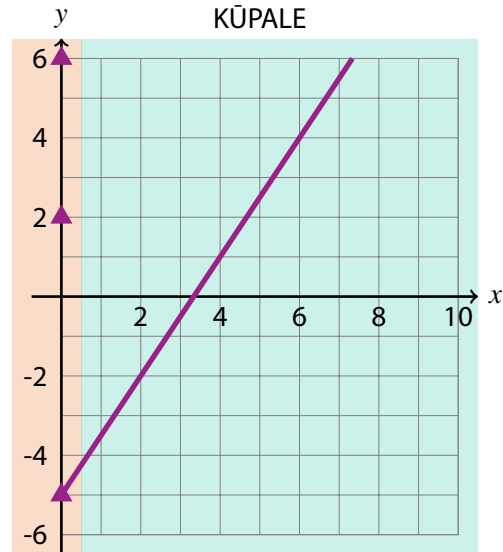
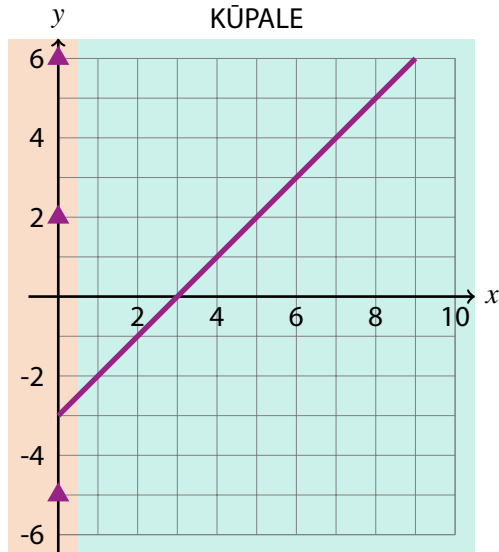
Ma kou manawa e 'ō'ō ihe ai:

1. E ha'i aku i kekahi ha'ihelu lālani i hui me kekahi o nā kī'ai. Ma ia lālani e lele ai ka ihe.

Là'ana:

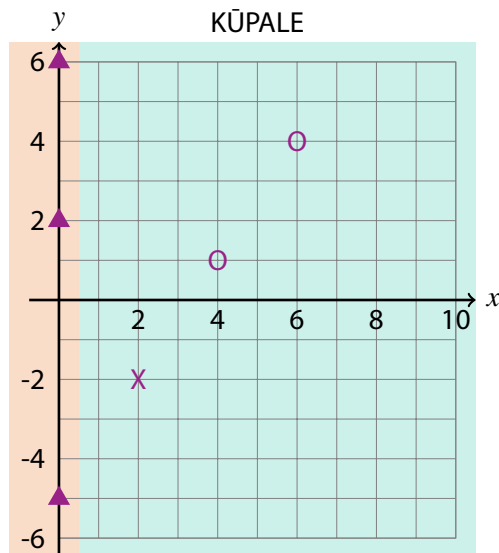
'A'ole 'o $y = -3 + x$ he ha'ihelu lālani maika'i no ka mea, 'a'ole e hui ka lālani me kahi o ke kī'ai no laila, 'a'ole i hiki i ke kī'ai ke 'ō'ō aku i kāna ihe.

He ha'ihelu lālani maika'i 'o $y = -5 + \frac{3}{2}x$ no ka mea, hui ka lālani me kekahi kī'ai a hiki i ke kī'ai ke 'ō'ō aku i kāna ihe.



2. E nīnau aku inā aia kekahi mau koa ma nā wahi e hui ai ka lālani o ka ihe ma ka maka'aha. Inā hui, e māka i X ma ke KŪPALE a e māka i O inā 'a'ole hui.

Là'ana: Hui wale nō 'o $y = -5 + \frac{3}{2}x$ ma ka maka'aha ma (2, -2), (4, 1), a me (6, 4). Inā 'ōlelo mai kou hoa paio, ua pā ke koa ma (2, -2), akā 'a'ole i pā ma (4, 1) a me (6, 4), a laila e māka e like me kēia.



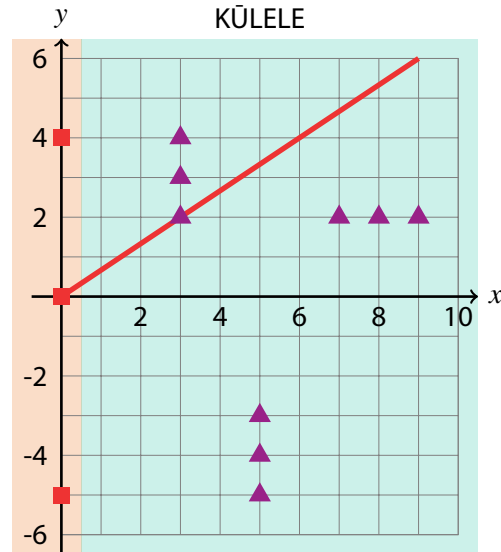
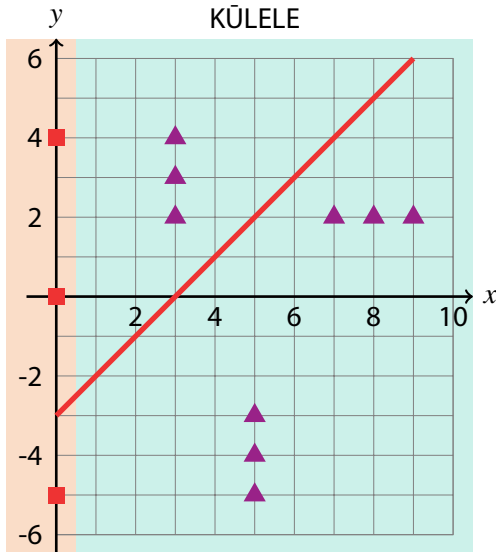
Ma ka manawa o ka hoa paio e 'ō'ō ihe ai:

1. E hō'ōia mua inā hiki ke 'ō'ō 'ia ka ihe. Inā 'a'ole, hala kona manawa.

Là'ana:

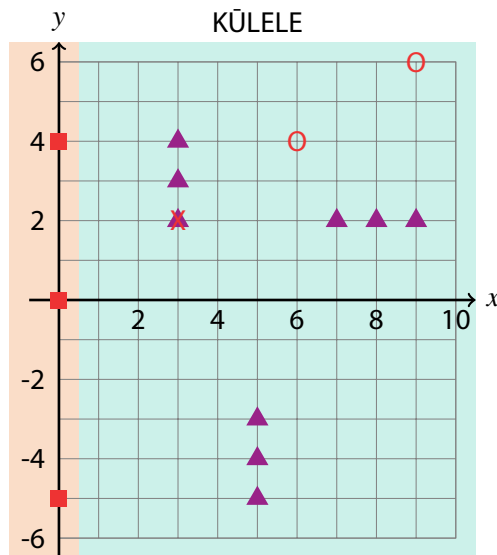
'A'ole 'o $y = -3 + x$ he ha'ihelu lālani maika'i no ka mea, 'a'ole e hui ka lālani me kahi kīa'i no laila, 'a'ole hiki i ke kīa'i ke 'ō'ō i kēia ihe. No laila, hala kona manawa.

He ha'ihelu lālani maika'i 'o $y = \frac{2}{3}x$ no ka mea, he lālani no ia, a hui ia me kekahi kīa'i a hiki i ke kīa'i ke 'ō'ō aku i kāna ihe. E ho'omau ka hoa paio.



2. E ho'oka'a'ike me ka hoa paio inā aia kekahi mau kōa ma nā wahi e hui ai nā ihe ma ka maka'aha. Inā aia kekahi kōa ma laila e māka i X ma kou KŪLELE a he O inā 'a'ohe.

Là'ana: Hui wale nō 'o $y = \frac{2}{3}x$ ma ka maka'aha ma (3, 2), (6, 4) a me (9, 6). E 'ōlelo aku i ka hoa paio, ua pā ke kōa ma (3, 2), akā 'a'ole i pā ma (6, 4) a me (9, 6), a laila e māka e like me kēia.



Ke Kaua ma Ke Kai: Papa Pā'ani

