Coordinate Hunt Pieces

(0,0)	(0,1)
(1,0)	(–1,0)
(0,–1)	(0,2)

Coordinate Hunt Pieces

(0,1)

No clue here. Check your answers!

(0,0)

How to crack the code: 1=a, 2=b, 3=c...25=y, and 26=z

(–1,0)

No clue here. Check your answers!

(1,0)

No clue here. Check your answers!

(0,2)

No clue here. Check your answers!

(0,–1)

No clue here. Check your answers!

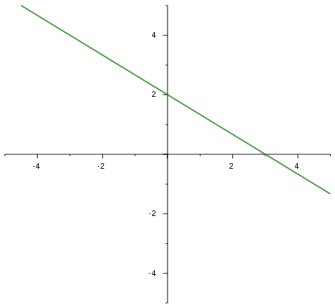
Coordinate Hunt Pieces

(2,0)	**(–2,0)**
(0,–2)	**(0,3)**
(3,0)	**(–3,0)**

Coordinate Hunt Pieces

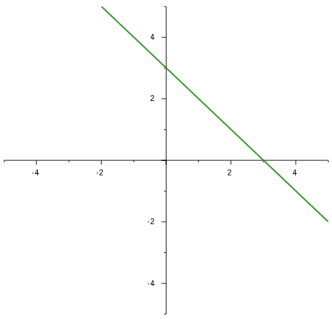
(–2,0) (x intercept, y intercept)

Graph of $y = \frac{-2x}{3} + 2$



(2,0) (x intercept, y intercept)

Graph of $y = -x + 3$



(0,3)

No clue here. Check your answers!

(0,–2)

No clue here. Check your answers!

(–3,0)

No clue here. Check your answers!

(3,0)

No clue here. Check your answers!

Coordinate Hunt Pieces

(0,–3)	**(0,4)**
(4,0)	**(–4,0)**
(0,–4)	**(1,1)**

Coordinate Hunt Pieces

(0,4)

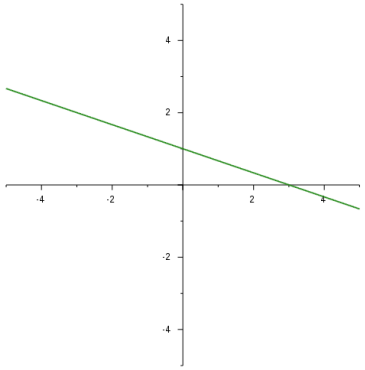
No clue here. Check your answers!

(0,–3)

No clue here. Check your answers!

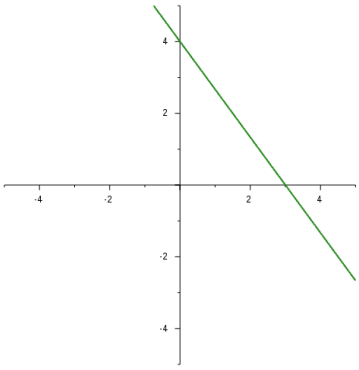
(–4,0) (x intercept, y intercept)

Graph of $y = \frac{-x}{3} + 1$



(4,0) (x intercept, y intercept)

Graph of $y = -\frac{-4x}{3} + 4$



(1,1)

No clue here. Check your answers!

(0,–4)

No clue here. Check your answers!

Coordinate Hunt Pieces

(1,–1)	**(–1,1)**
(–1,–1)	**(1,2)**
(–1,2)	**(1,–2)**

Coordinate Hunt Pieces

(–1,1)

x coordinate: $4 - 6 \div 2$

y coordinate: x coordinate on current clue + 5

(1,–1)

x coordinate (solve for x):

$$\frac{-150}{375} = \frac{x}{10}$$

y coordinate: If you multiply any number by y, you get y. What is y?

(1,2)

Solve for x:

x coordinate: $2x + 1 = -3$

y coordinate: $3y + 8 = 17$

(–1,–1)

x coordinate: $\frac{9}{8} \div \frac{1}{3} + \frac{5}{8}$

y coordinate: $\frac{1}{3} + \frac{1}{2} - \frac{17}{6}$

(1,–2)

Solve for x:

x coordinate: $2x + 2 = 6$

y coordinate: $3x + 8 = 17$

(–1,2)

No clue here. Check your answers!

Coordinate Hunt Pieces

(–1,–2)	**(2,1)**
(–2,1)	**(2,–1)**
(–2,–1)	**(2,2)**

(2,1)

No clue here. Check your answers!

(–1,–2)

No clue here. Check your answers!

(2,–1)

No clue here. Check your answers!

(–2,1)

No clue here. Check your answers!

(2,2)

No clue here. Check your answers!

(–2,–1)

x coordinate: $\frac{9}{8} \div \frac{1}{3} + \frac{5}{8}$

y coordinate: $\frac{1}{3} + \frac{1}{2} - \frac{11}{6}$

Coordinate Hunt Pieces

(–2,2)	**(2,–2)**
(–2,–2)	**(3,1)**
(–3,1)	**(3,–1)**

Coordinate Hunt Pieces

(2,–2)

x coordinate: $\frac{-150}{375} = \frac{x}{5}$

y coordinate: If you multiply any number by y, you get y. What is y?

(–2,2)

x coordinate: $4 - 6 \div 2$

y coordinate: x coordinate on current clue $+ 4$

(3,1)

In the third quadrant. The product of x and y coordinates (both integers) is 1.

(–2,–2)

No clue here. Check your answers!

(3,–1)

Great! Now go to the origin for your final clue!

(–3,1)

No clue here. Check your answers!

Coordinate Hunt Pieces

(–3,–1)	**(3,2)**
(–3,2)	**(3,–2)**
(–3,–2)	**(3,3)**

Coordinate Hunt Pieces

(3,2)

In the third quadrant.

y coordinate > -2

The product of x and y coordinates (both integers) is 2

(–3,–1)

x coordinate: $\frac{9}{8} \div \frac{1}{3} - \frac{3}{8}$

y coordinate: $\frac{1}{3} + \frac{1}{2} - \frac{17}{6}$

(3,–2)

Great! Now go to the origin for your final clue!

(–3,2)

x coordinate: $\frac{2+7}{3} - 1$

y coordinate: $\frac{2-7}{5} - 1$

(3,3)

In the third quadrant.

y coordinate > -2

The product of x and y coordinates (both integers) is 3.

(–3,–2)

x coordinate: $\frac{2+7}{3}$

y coordinate: $\frac{2-7}{5} - 2$

Coordinate Hunt Pieces

(3,–3)	(–3,3)
(–3,–3)	(2,3)
(–2,3)	(2,–3)

Coordinate Hunt Pieces

(–3,3)

x coordinate: $4 - 6 \div 2$

y coordinate: x coordinate on current clue + 1

(3,–3)

x coordinate: $\frac{150}{375} = \frac{x}{5}$

y coordinate: If you multiply any number by y, you get y. What is y?

(2,3)

If $y = 6$, solve for x:

x coordinate: $y + 3x = 0$

If $x = 6$, solve for y:

y coordinate: $3y + 2x = 3$

(–3,–3)

No clue here. Check your answers!

(2,–3)

Reflect over $y = x$ line (switch current x and y coordinates)

(–2,3)

If $y = 6$, solve for x:

x coordinate: $y + 3x = 12$

If $x = 6$, solve for y:

y coordinate: $3y + 2x = 3$

Coordinate Hunt Pieces

(–2,–3)	(1,3)
(1,–3)	(–1,3)
(–1,–3)	(4,1)

Coordinate Hunt Pieces

(1,3)

No clue here. Check your answers!

(–2,–3)

Reflect over $y = x$ line (switch current x and y coordinates)

(–1,3)

No clue here. Check your answers!

(1,–3)

No clue here. Check your answers!

(4,1)

No clue here. Check your answers!

(–1,–3)

No clue here. Check your answers!

Coordinate Hunt Pieces

(–4,1)	**(4,–1)**
(–4,–1)	**(4,2)**
(–4,2)	**(4,–2)**

Coordinate Hunt Pieces

(4,–1)

Great! Now go to the origin for your final clue!

(–4,1)

No clue here. Check your answers!

(4,2)

No clue here. Check your answers!

(–4,–1)

x coordinate: $\frac{9}{8} \div \frac{1}{3} - \frac{3}{8}$

y coordinate: $\frac{1}{3} + \frac{1}{2} - \frac{11}{6}$

(4,–2)

Great! Now go to the origin for your final clue!!

(–4,2)

No clue here. Check your answers!

Coordinate Hunt Pieces

(–4,–2)	**(4,3)**
(–4,3)	**(4,–3)**
(–4,–3)	**(4,4)**

Coordinate Hunt Pieces

(4,3)

If $y = 6$, solve for x:

x coordinate: $y + 3x = -6$

If $x = 6$, solve for y:

y coordinate: $3y + 2x = 3$

(–4,–2)

No clue here. Check your answers!

(4,–3)

Reflect over $y = x$ line (switch current x and y coordinates)

(–4,3)

If $y = 6$, solve for x:

x coordinate: $y + 3x = 18$

If $x = 6$, solve for y:

y coordinate: $3y + 2x = 3$

(4,4)

No clue here. Check your answers!

(–4,–3)

Reflect over $y = x$ line (switch current x and y coordinates)

Coordinate Hunt Pieces

(–4,4)	**(4,–4)**
(–4,–4)	**(3,4)**
(–3,4)	**(3,–4)**

Coordinate Hunt Pieces

(4,–4)

x coordinate: $\frac{150}{375} = \frac{x}{10}$

y coordinate: If you multiply any number by y, you get y. What is y?

(–4,4)

x coordinate: $4 - 6 \div 2$

y coordinate: x coordinate on current clue

(3,4)

In the third quadrant.

y coordinate > -2

The product of x and y coordinates (both integers) is 4.

(–4,–4)

No clue here. Check your answers!

(3,–4)

No clue here. Check your answers!

(–3,4)

x coordinate: $\frac{2+7}{3} - 2$

y coordinate: $\frac{2-7}{5}$

Coordinate Hunt Pieces

(–3,–4)	**(2,4)**
(–2,4)	**(2,–4)**
(–2,–4)	**(1,4)**

Coordinate Hunt Pieces

(2,4)

No clue here. Check your answers!

(–3,–4)

x coordinate: $\frac{2+7}{3}+1$

y coordinate: $\frac{2-7}{5}-3$

(2,–4)

No clue here. Check your answers!

(–2,4)

No clue here. Check your answers!

(1,4)

x coordinate: $2x+2=-6$

y coordinate: $3y+8=17$

(–2,–4)

No clue here. Check your answers!

Coordinate Hunt Pieces

(1,–4)	**(–1,4)**
(–1,–4)	**Initial Clue: Team 1**
Initial Clue: Team 2	**Initial Clue: Team 3**

Coordinate Hunt Pieces

(–1,4)

No clue here. Check your answers!

(1,–4)

x coordinate: $2x + 2 = 10$

y coordinate: $3y + 8 = 17$

Your antenna is broken and the space station is trying to send you directions on how to fix it, so NASA is sending directions to your alternate antenna which only transmits encrypted data and the message is appearing as nonsensical sequences of numbers! Follow these steps to reconnect with the space station and survive this disaster!

15–25–21 5–14–4–5 15–20 19–16–18–5–19 8–5–20 23–5–16–15–18 21–20–2–15–14–20

First Clue: The *x* and *y* coordinates add up to 0. The *x* coordinate is exactly 2 units smaller than the *y* coordinate.

(–1,–4)

No clue here. Check your answers!

Your antenna is broken and the space station is trying to send you directions on how to fix it, so NASA is sending directions to your alternate antenna which only transmits encrypted data and the message is appearing as nonsensical sequences of numbers! Follow these steps to reconnect with the space station and survive this disaster!

15–25–21 5–14–4–5 15–20 19–16–18–5–19 8–5–20 23–5–16–15–18 21–20–2–15–14–20

First Clue: The *x* and *y* coordinates add up to 0. The *x* coordinate is exactly 6 units smaller than the *y* coordinate.

Your antenna is broken and the space station is trying to send you directions on how to fix it, so NASA is sending directions to your alternate antenna which only transmits encrypted data and the message is appearing as nonsensical sequences of numbers! Follow these steps to reconnect with the space station and survive this disaster!

15–25–21 5–14–4–5 15–20 19–16–18–5–19 8–5–20 23–5–16–15–18 21–20–2–15–14–20

First Clue: The *x* and *y* coordinates add up to 0. The *x* coordinate is exactly 4 units smaller than the *y* coordinate.

Coordinate Hunt Pieces

Initial Clue: Team 4	**(0,0)**
(0,0)	**(0,0)**

Coordinate Hunt Pieces

(0,0)

How to crack the code:
1=a, 2=b, 3=c...25=y,
and 26=z

Your antenna is broken and the space station is trying to send you directions on how to fix it, so NASA is sending directions to your alternate antenna which only transmits encrypted data and the message is appearing as nonsensical sequences of numbers! Follow these steps to reconnect with the space station and survive this disaster!

15–25–21 5–14–4–5 15–20 19–16–18–5–19 8–5–20 23–5–16–15–18 21–20–2–15–14–20

First Clue: The *x* and *y* coordinates add up to 0. The *x* coordinate is exactly 8 units smaller than the *y* coordinate.

(0,0)

How to crack the code:
1=a, 2=b, 3=c...25=y,
and 26=z

(0,0)

How to crack the code:
1=a, 2=b, 3=c...25=y,
and 26=z