

The Line Dance



The Line Dance



Slide Slide, Slide Slide

"Yeah Baby" "You Got It!"

Shoulder

Shoulder

Sky

Sky

Clap

Clap

Jump!

The Line Dance

😊😊😊😊

Equations of Lines

😊😊😊😊😊

LOOK

Slide Slide, Slide Slide

→ Slope

"Yeah Baby"....."You Got It!"

→ Point

Shoulder

Shoulder

→ X

Sky

Sky

→ Y

Clap

Clap

Jump!

→ Celebrate





Determine the equation of a line passing through the point $(-3,5)$ and having a slope of -2 .

(Leave your answer in "Standard Form".)

Slope = $\frac{-2}{1}$
 Point = $(-3, 5)$
 $(x, y) = (x_1, y_1)$
 (x_2, y_2)

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

$$-2 = \frac{y - 5}{x - (-3)}$$

$$\frac{-2}{1} = \frac{y - 5}{x + 3}$$

$$-2(x + 3) = 1(y - 5)$$

$$-2x - 6 = 1y - 5$$

$$-2x - 1y - 6 + 5 = 0$$

$$-2x - 1y - 1 = 0$$

$$2x + 1y + 1 = 0$$

