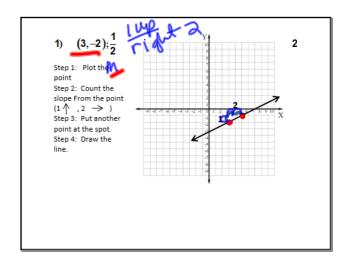
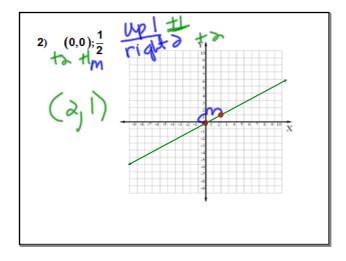
Starter

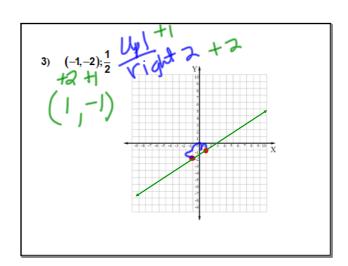
30 OCT 2018

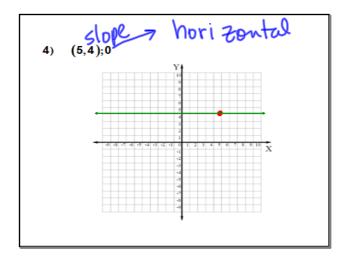
Answer in complete sentences.

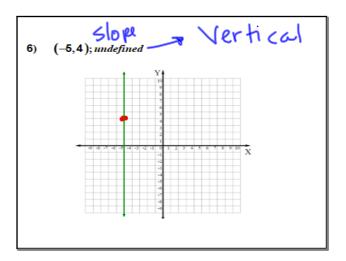
- 1) Explain what the slope of a line represents.
- 2) Explain what x_1 and x_2 mean.

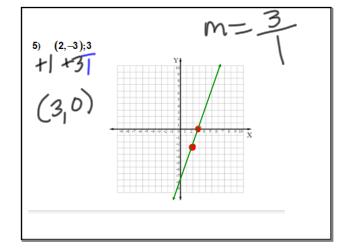


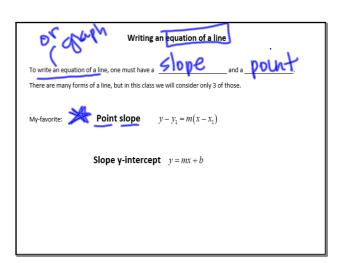








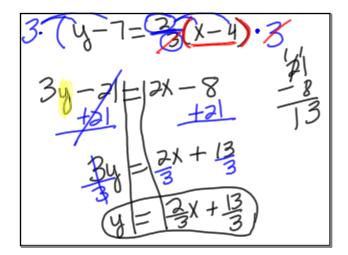


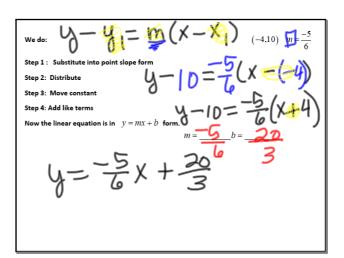


$$(x_{3}-x_{1})m = \frac{y_{3}-y_{1}}{(x_{2}-x_{1})}(x_{3}-x_{1})$$

$$m(x_{3}-x_{1}) = y_{3}-y_{1}$$

$$y_{1}-y_{1}=m(x_{1}-x_{1})$$





$$6.(y-10=\frac{2}{3}(x+4).6)$$

$$6y-60=-5x-20$$

$$+60$$

$$-5x+40$$

$$6y=-5x+40$$

$$4y=-5x+40$$

$$4y=-5x+40$$

You do:
$$y-y=m(x-y)$$
 $(-1,8)$ $m=\frac{2}{5}$

Step 1: Substitute into point slope form $y-8=\frac{2}{5}(x+1)$

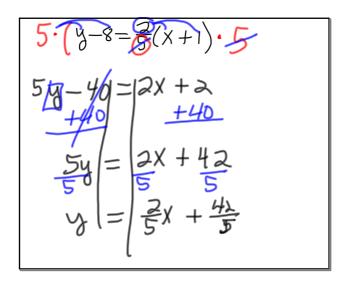
Step 2: Distribute

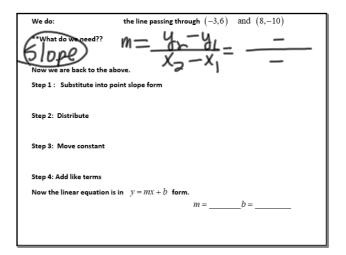
Step 3: Move constant

Step 4: Add like terms

Now the linear equation is in $y=mx+b$ form.

 $m=\underline{\qquad b=}$





$$y-6=\frac{-16}{11}(x-(-3))$$

