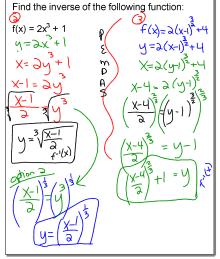
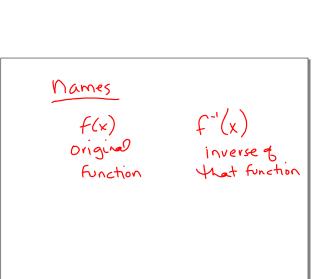
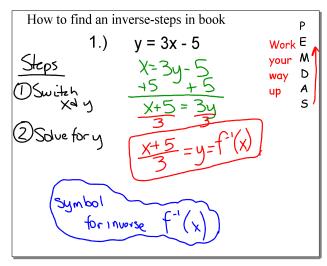


Jan 28-8:08 PM

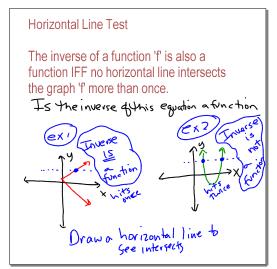


Jan 28-8:13 PM





Jan 28-8:11 PM



Feb 8-2:25 PM

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How to verify if two functions are inverses...Compositions:)

EXAMPLE 2 Verify that functions are inverses

Verify that f(x) = 3x - 5 and f^{-1}(x) = \frac{1}{3}x + \frac{5}{3} are inverse functions.

Solution

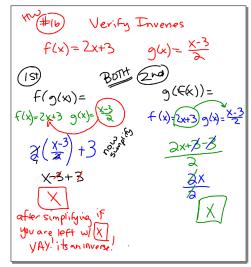
STEP 2 Show that f^{-1}(f(x)) = x.

f(f^{-1}(x)) = f(\frac{1}{3}x + \frac{5}{3})

f^{-1}(f(x)) = f^{-1}(3x - 5)

f^{-1}(f(x
```

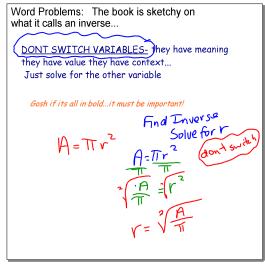
Jan 15-12:17 PM Jan 28-8:11 PM



Jan 15-12:19 PM



Jan 16-7:57 AM



Jan 17-12:54 PM