

Starter 11/08

Find the rate of change of Pete's height from 3 to 5 years.

Time (years)	1	2	3	4	5	6
Height(in.)	27	35	37	42	45	49

For  $f(x) = x^2 - 2$ , find the rate of change on the interval  $[-2, 4]$ .

Nov 8-6:53 AM

(15)  $f(x) = -.5x^2 + 8.4x - 12.7$   
 $(8.4, 22.6)$   
 8, 23

Nov 8-9:46 AM

(17)  $(4x^3 - 3x^2 + 6x - 7) - ? = 4x^3 - 5x^2 + 11x - 11$

$4x^3 - 4x^3 = 0$

$-3x^2 + 5x^2 = 2x^2$        $2x^2 = 4x + 4$

$6x - 10x = -4x$

$-7 + 11 = 4$

Nov 8-9:50 AM

Starter

November Calendar Math

Homework Questions

4.2 Solving For a Specified Variable

Objective: I can solve for a specific variable.

Nov 8-6:58 AM

Solving for a given letter/variable

(ex1)  $a^2 + b^2 = c^2$   
 $-b^2 \quad -b^2$

$\sqrt{a^2} = \sqrt{c^2 - b^2}$

$a = \sqrt{c^2 - b^2}$

Nov 8-10:09 AM

(ex2)  $S = 2hl + 2hw + 2lw$   
 $S - 2lw = 2hl + 2hw$

$\frac{S - 2lw}{2l + 2w} = \frac{h(2l + 2w)}{(2l + 2w)}$

$\frac{S - 2lw}{2l + 2w} = h$

Nov 8-10:11 AM

ex 3

$$A = \frac{b}{b} s^2 \quad \text{solve for } s$$

$$\sqrt{\frac{A}{b}} = \sqrt{s^2} \quad \sqrt{\frac{A}{b}} = s$$

Nov 8-10:18 AM

ex 4

$$r^2 \cdot F = \frac{G m_1 m_2}{r^2} \cdot r^2 \quad \text{solve for } r$$

$$\frac{r^2 F}{F} = \frac{G m_1 m_2 \cdot 1}{F}$$

$$\sqrt{r^2} = \sqrt{\frac{G m_1 m_2}{F}} \quad r = \sqrt{\frac{G m_1 m_2}{F}}$$

$\frac{r^2}{r^2} = 1$   
 $\frac{4}{4} = 1$

Nov 8-10:19 AM