

D: fence post integer positive
 R: \$
 .20, .40, .60, .80 1.00

Mar 9-10:01 AM

① $\sqrt{x+5} + 10 = 8$

$$\begin{array}{r} -10 \quad -10 \\ \hline \sqrt{x+5} = (-2)^2 \quad -2 \cdot -2 \\ x+5 = 4 \\ -5 \quad -5 \\ \hline x = -1 \end{array}$$

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$\sqrt{-1+5} + 10 = 8$
~~12 = 8~~

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⑧ $(2x^3 - 5x + 7)(x^2 + 1)$

	$2x^3$	$-5x$	$+7$
x^2	$2x^5$	$-5x^3$	$7x^2$
$+1$	$2x^3$	$-5x$	$+7$

$2x^5 - 3x^3 - 5x + 7 - x^5 - 7x^2 - 7$

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Polynomial + polynomial = polynomial

$\frac{3x^2}{2x^3} \cdot \frac{x}{x}$

Not closed for division

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7.2 Compounded interest

$A = P(1 + \frac{r}{n})^{nt}$

P =
 A =
 r = Most often P is smaller than A
 n =
 t = $\frac{r}{100}$

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⑤ $P = 12000$
 $A = 12450$
 $r = 0.123$
 $n = 1$
 $t = 3$
 $(1.23)^3$

$A = P \left(1 + \frac{r}{n}\right)^{nt}$
 $12450 = 12000(1+r)^3$
 $Y_1 = 12450$
 $Y_2 = 12000(1+x)^{13}$

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⑦ $P =$
 $A = 10000$
 $r = .085$
 $n = 12$
 $t = 4$

$A = P \left(1 + \frac{r}{n}\right)^{nt}$
 $10000 = P \left(1 + \frac{.085}{12}\right)^{48}$
 $X - \text{max } 10000$

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