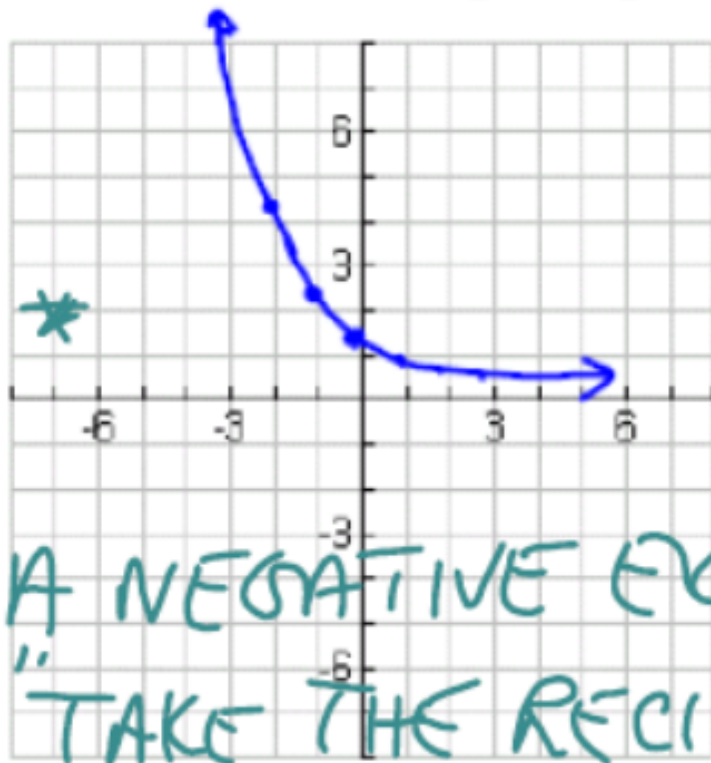
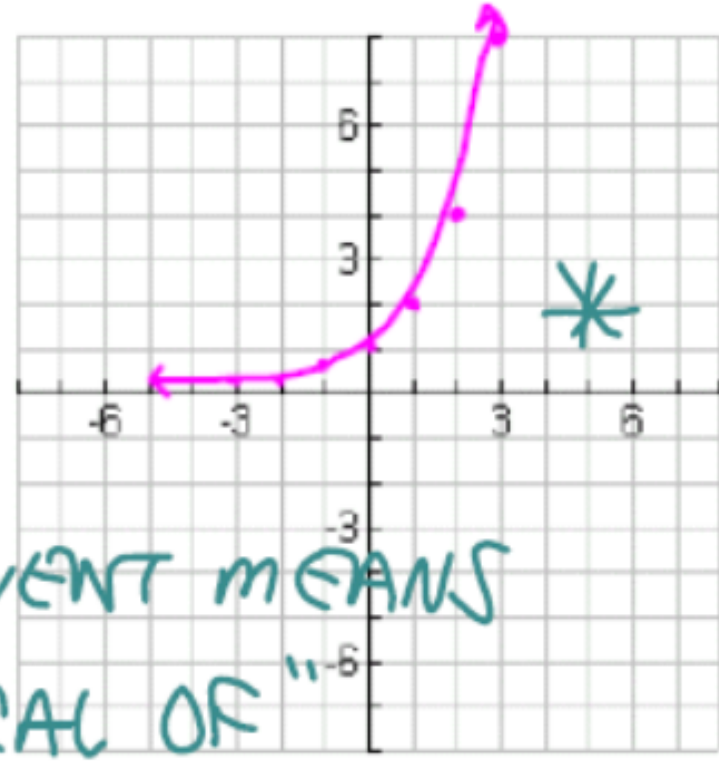


Thur Sep 20 2007

$$y = \underline{2^{-x}} = \underline{\left(\frac{1}{2}\right)^x}$$



$$y = \underline{\left(\frac{1}{2}\right)^{-x}} = \underline{2^x}$$



A NEGATIVE EXPONENT MEANS
"TAKE THE RECIPROCAL OF"

THUR 9-21-06 6-1 ① $\frac{3}{5}$ ② $\frac{15}{16}$

③ $\frac{(x-3)(x-5)}{8}$ 6-2 ① $\frac{7a-6}{8a-10}$ ② $\frac{n+5}{n+4}$

③ $x+3$ ④ $\frac{4xy-6x^2}{7y^2+2xy}$ ⑤ $\frac{2c-1}{2}$

6-3 ① $\frac{4x+3y}{xy}$ ② $\frac{7c-4ab}{abc}$ ③ $\frac{x+11}{15}$

④ $\frac{24z+17}{28}$ ⑤ $\frac{2x^2-9x+1}{(x-3)(x-5)}$ ⑥ $\frac{-6a+14}{(a-2)(a-4)}$

6-4 ① $\frac{3}{4}$ ③ $\frac{2(c+2)}{3(2c+3)}$ (WAS SIMPLIFIED)

⑤ $\frac{8x^3y^2}{a}$ ⑦ $\frac{1}{2}$

BACK OF P. 4 ② a) 47 b) 74 c) NO!

d) $75n^2-60n+11$ e) $-15n^2+7$

f) COMPOSITION OF FUNCTIONS IS NOT COMMUTATIVE

6-1 ? NONE

6-2 ②

$$\frac{1 + \frac{7}{n} + \frac{10}{n^2}}{1 + \frac{6}{n} + \frac{8}{n^2}} \cdot \frac{n^2}{n^2} = \frac{n^2 + 7n + 10}{n^2 + 6n + 8}$$

⋮

$$\frac{7}{n} \cdot n^2$$

$$\frac{7}{n} \cdot \frac{n}{1} = \frac{7n}{1}$$

$$\textcircled{1} \frac{\frac{4}{a-2} + \frac{3}{a}}{\frac{5}{a} + \frac{3}{a-2}}$$

$\frac{4}{a-2} \cdot \frac{a(a-2)}{a(a-2)}$
 $\frac{3}{a} \cdot \frac{a(a-2)}{a(a-2)}$

$$\frac{\frac{4}{\cancel{a-2}} \cdot \frac{a(\cancel{a-2})}{1}}{\frac{\cancel{3}}{a} \cdot \frac{a(a-2)}{1}}$$

$$= \frac{4a + 3(a-2)}{5(a-2) + 3a}$$

$$= \frac{4a + 3a - 6}{5a - 10 + 3a}$$

$$= \frac{7a - 6}{8a - 10}$$

$$\textcircled{5} \quad \frac{c - \frac{1}{4c}}{1 + \frac{1}{2c}} \cdot \frac{4c}{4c}$$

$$= \frac{4c^2 - 1}{4c + 2}$$

⋮

6-3?

$$\textcircled{5} \frac{(x+1)(x-5) + (x-3)(x-2)}{(x-3)(x-5)}$$

$$(x-3)(x-5)$$

$$= \frac{x^2 - 4x - 5 + x^2 - 5x + 6}{(x-3)(x-5)}$$

$$(x-3)(x-5)$$

$$= \frac{2x^2 - 9x + 1}{(x-3)(x-5)}$$

$$\underline{\underline{(x-3)(x-5)}}$$

$$\frac{6-4?}{}$$

$$\begin{aligned} \textcircled{3} \quad & \frac{2c+4}{6c+9} \\ & = \frac{2(c+2)}{\underline{\underline{3(2c+3)}}} \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad & \frac{\overset{1}{\cancel{3}} \overset{1}{\cancel{6}} \overset{3}{\cancel{7}} x^3}{\overset{1}{\cancel{3}} \overset{1}{\cancel{5}} \overset{3}{\cancel{7}} y^3} \\ & = \frac{\overset{1}{\cancel{8}} \overset{3}{\cancel{a}} x^3 y^2}{\overset{1}{\cancel{a}} \overset{2}{\cancel{a}}} \\ & = \underline{\underline{\frac{8x^3y^2}{a}}} \end{aligned}$$

$$\begin{aligned} & \frac{\overset{8}{\cancel{40}} \overset{1}{\cancel{a}} \overset{3}{\cancel{7}} \overset{2}{\cancel{y}} y^2}{\overset{1}{\cancel{2}} \overset{4}{\cancel{a}} \overset{1}{\cancel{x}}} \\ & = \frac{8ay^2}{a^2} \end{aligned}$$

Test Monday on Algebra Review so far
No BG on that test

O.T.L.

- CORRECT TODAY'S O.T.L.
(THIS IS AN AUTOMATIC EVERY DAY)
- 6-4 1-30 (omit 22, 26)
- P.7 (BACK) SAMPLE TEST 1-14