

NC EMPT'S  
**QUESTION?**  
*of the week*

Solve.  $-42x - 42 \leq -6(6x + 3)$

- A.  $x \leq -4$       B.  $x > -4$       C.  $x \geq -4$       D.  $x < -4$       E.  $x \geq 4$

*Last Week's Answer*

Simplify. Use positive exponents in the answer:  $\left(\frac{3p^4v^{-2}}{s^4}\right)^{-2}$

- A.  $\frac{3p^8v^4}{s^6}$       B.  $\frac{-9s^8v^4}{p^8}$       C.  $\frac{3p^8v^4}{s^8}$       **D.  $\frac{s^8v^4}{9p^8}$**       E.  $\frac{s^8}{9p^8v^4}$

$$\text{Solution: } \left(\frac{3p^4v^{-2}}{s^4}\right)^{-2} = \left(\frac{s^4}{3p^4v^{-2}}\right)^2 = \left(\frac{s^4v^2}{3p^4}\right)^2 = \frac{s^8v^4}{9p^8}$$

*Each week, we'll reveal the answer to the previous week's question!*

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