Solving for x: Lesson 12

Solving Proportions: Notes

Answere)
HISM	

Name:			

MATH *Z1 ALL

Check diagonals of



$$\frac{3}{4} \cdot \frac{8}{6} = 24$$

Steps to solving proportions:

- 1. Notice when we have equal proportions.
- 2. Do the butterfly! Multiply the diagonals and set them = to each other.
- 3. Solve.

Solve:

$$\frac{3}{x} + 7 = 4$$

$$\frac{3}{x} - 7 - 7$$

$$5 = 3 \cdot x$$

$$\frac{5}{-3} - 3 \cdot x$$

$$\frac{2(x+4) = 3(x+1)}{2(x+4) = 3(x+1)}$$

$$\frac{2x+8}{-2x} - \frac{3}{-2x}$$

$$\frac{-3}{-3} - \frac{3}{-3} = x+3$$

$$\frac{-3}{-3} - \frac{3}{-3} = x+3$$

