7.5 Extra Practice

I can find the constant of proportionality using an equation and I can represent proportional relationships by writing equations. Show all your work on this paper.

1)
$$y = 21$$
; $x = 3$

a) Constant of Proportionality: **J=KX**

b) Equation:

2) y = 36; x = 72

b) Equation:

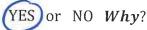
7.5 I can tell whether x and y show direct variation. Why??

3)
$$4x = y$$
 YES or NO Why?

4)
$$y + 2 = x$$
 YES or NO Why?

5)
$$x = \frac{1}{5}y$$
 YES or NO Why?

6)
$$y = x$$
 YES



7) Suppose y varies directly as x. If y = 12 when x = 4, find x when y = 27.

8) Suppose y varies directly as x. If y = 2 when x = 18, find y when x=54

9) Suppose y varies directly as x. If x = 24 when y = 8, find y when x=3