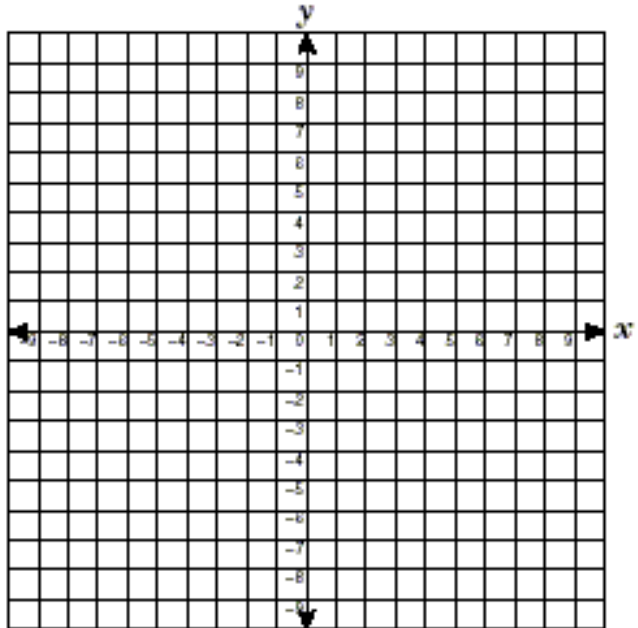


Independent Practice

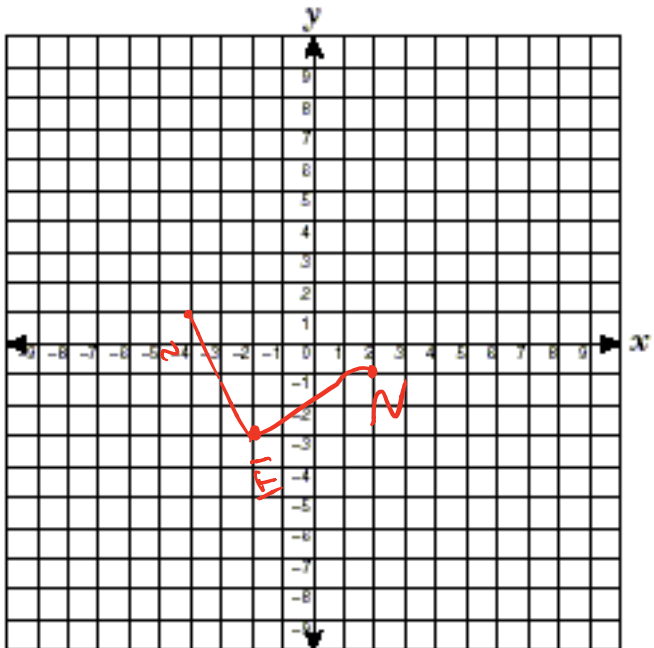
In the coordinate plane, the vertices of $\triangle XYZ$ are $X(-3,-3)$, $Y(-5,-5)$ and $Z(5,1)$.
Prove that $\triangle XYZ$ is a right triangle.

Mistake



Given: $J(-4,1)$, $E(-2,-3)$, $N(2,-1)$

Prove: $\triangle JEN$ is a right triangle

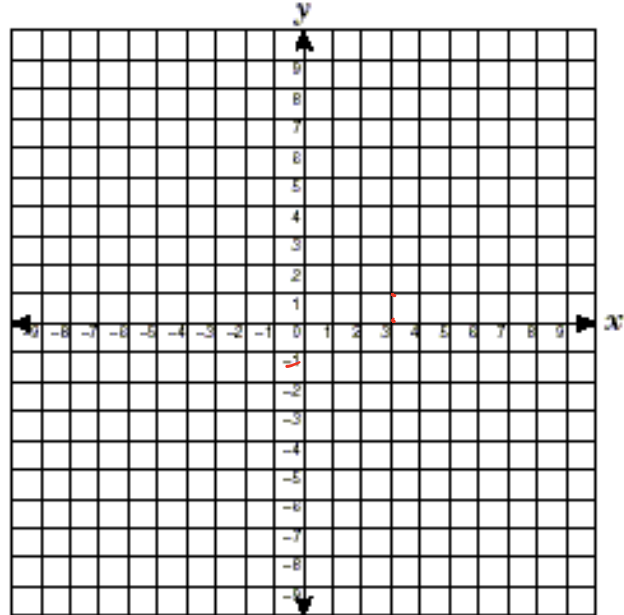


$\triangle JEN$ is a right \triangle
b/c $\overline{JE} \perp \overline{EN}$

Given: Triangle RST has coordinates $R(-1,7)$, $S(3,-1)$, and $T(x,2)$

Find the x coordinate of T to make triangle RST a right triangle

$$x = 9$$



The coordinates of the vertices of ABC are $A(1,1)$, $B(10,4)$, and $C(7,y)$. Find the value of y that would make triangle ABC a right triangle.

$$y = 13$$

