1. Find a segment that is congruent to $\overline{JK}$

$\overline{JK} \cong \overline{AB}$

$\overline{AB}$ $A(1,13)$ $B(-5,5)$ $\sqrt{100}$ AB $\sqrt{6^2+8^2}$

$\overline{CD}$ $C(11,3)$ $D(3,1)$

$\overline{EF}$ $E(2,-10)$ $F(14,6)$ → $\sqrt{12^2+}$

$\overline{GH}$ $G(5,-2)$ $H(2,10)$ X

$\overline{JK}$ $J(-3,4)$ $K(7,4)$ $\sqrt{100}$ $\sqrt{100}$

2. Find a segment that is parallel to $\overline{AB}$ $\parallel \overline{EF}$

3. Find a segment that is perpendicular to $\overline{CD}$ $\perp \overline{GH}$

$\overline{AB}$ $A(1,13)$ $B(-5,5)$ $m = \frac{13-5}{1+5} = \frac{8}{6} = \frac{4}{3}$

$\overline{CD}$ $C(11,3)$ $D(3,1)$ $\frac{2}{8} = \frac{1}{4}$

$\overline{EF}$ $E(2,-10)$ $F(14,6)$ $= \frac{16}{12} = \frac{4}{3}$

$\overline{GH}$ $G(5,-2)$ $H(2,10)$ $= \frac{12}{-3} = -4$

$\overline{JK}$ $J(-3,4)$ $K(7,4)$

W