

Correct. Applying the distance formula, you find $13 = \sqrt{(1 - 6)^2 + (y - 4)^2} = \sqrt{25 + (y - 4)^2}$, so

$13^2 = \left(\sqrt{25 + (y - 4)^2}\right)^2$. Solving this equation for y , you find $169 = 25 + (y - 4)^2$, so $144 = (y - 4)^2$. Take the square root of both sides: $12 = y - 4$ or $12 = -(y - 4)$. If $y - 4 = 12$, then $y = 16$ and if $-(y - 4) = 12$, then $y - 4 = -12$, so $y = -8$. Since both of these answers give points $(1, y)$ that are 13 units from $(6, 4)$, y can be either 16 or -8.