

<p>One side of a square increases 3 ft. Other side increases 4 ft. New area = 56 ft² Side length of sq.?</p>	<p>One side of square increases 3 ft. Other side decreases 3 ft. New area=16t² Side length of sq.?</p>	<p>One side of a square increases 3 ft. Other side decreases 4 ft. New area = 18 ft² Side length of sq.?</p>	<p>One side of a square decreases 3 ft. Other side decreases 4 ft. New area = 20 ft² Side length of sq.?</p>
<p>Let x = side length x + 3 = new width x + 4 = new length</p>	<p>Let x = side length x + 3 = new width x - 3 = new length</p>	<p>Let x = side length x + 3 = new width x - 4 = new length</p>	<p>Let x = side length x - 3 = new width x - 4 = new length</p>
<p>$(x + 3)(x + 4) = 56$ $x^2 + 7x + 12 = 56$</p> <p>$x^2 + 7x + 12 = 56$ <u>$-56 = -56$</u></p> <p>$x^2 + 7x - 44 = 0$ $(x + 11)(x - 4) = 0$</p>	<p>$(x + 3)(x - 3) = 16$ $x^2 - 9 = 16$</p> <p>$x^2 - 9 = 16$ <u>$-16 = -16$</u></p> <p>$x^2 - 25 = 0$ $(x - 5)(x + 5) = 0$</p>	<p>$(x + 3)(x - 4) = 18$ $x^2 - x - 12 = 18$</p> <p>$x^2 - x - 12 = 18$ <u>$-18 = -18$</u></p> <p>$x^2 - x - 30 = 0$ $(x - 6)(x + 5) = 0$</p>	<p>$(x - 3)(x - 4) = 20$ $x^2 - 7x + 12 = 20$</p> <p>$x^2 - 7x + 12 = 20$ <u>$-20 = -20$</u></p> <p>$x^2 - 7x - 8 = 0$ $(x - 8)(x + 1) = 0$</p>
<p>x = -11 or x = 4 Side length = 4 ft</p>	<p>x = 5 or -5 Side length = 5 ft</p>	<p>x = 6 or -5 Side length = 6 ft</p>	<p>x = 8 or x = -1 Side length = 8 ft</p>

			
