$$\frac{3+x}{2} - \frac{2x-7}{3} = 3$$

$$\frac{9+3x}{6} - \frac{4x-4}{6} = 3$$

$$9+3x-4x+44 = 18$$

$$-x=18-9-14$$

$$-x=-5$$

$$x=5$$

$$5=55$$

(5) [5 points] The shortest side of a right-angled triangle is 6cm shorter than its hypotenuse. The difference in length of the other two sides is 3cm. Find the length of the hypotenuse.

