



$$\angle A = 7x + 40^\circ = 166$$

$$\angle B = 3x + 112^\circ = 166$$

$$A = B$$

$$7x + 40^\circ = 3x + 112^\circ$$

$$4x + 40^\circ = 112^\circ$$

$$4x = 112^\circ - 40^\circ$$

$$x = \frac{72^\circ}{4}$$

$$x = 18^\circ$$