

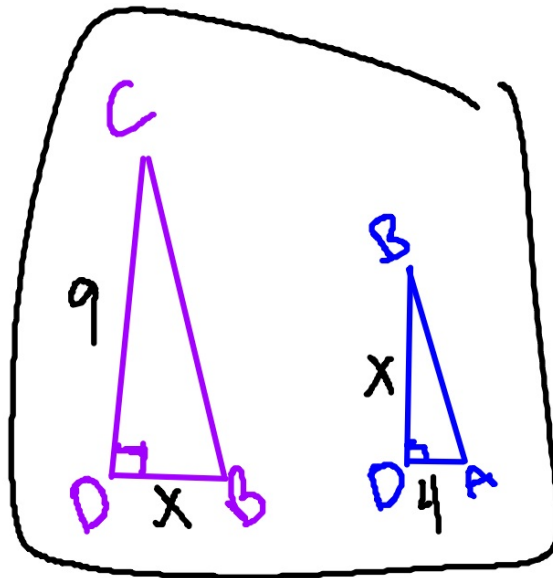
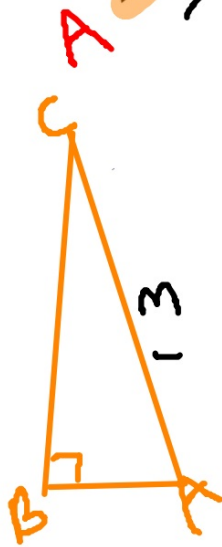
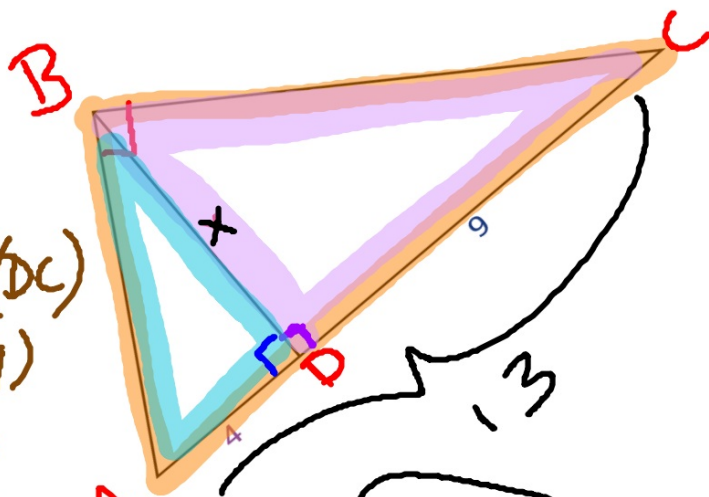
$$BD^2 = (AD)(DC)$$

$$x^2 = (4)(9)$$

$$x^2 = 36$$

$$x = \sqrt{36}$$

$$x = 6$$



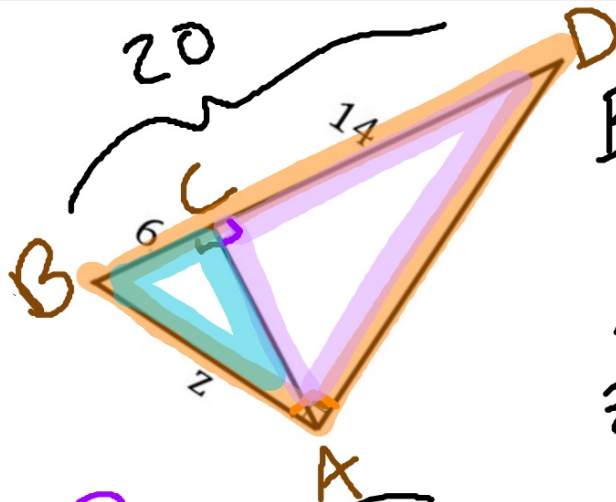
$$\frac{x}{4} = \frac{9}{x}$$

$$x^2 = 4 \cdot 9$$

$$x^2 = 36$$

$$x = \sqrt{36}$$

$$x = 6$$

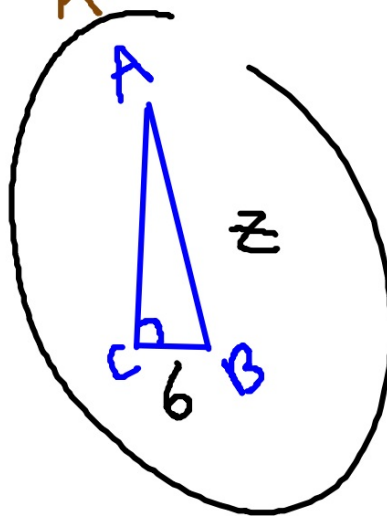
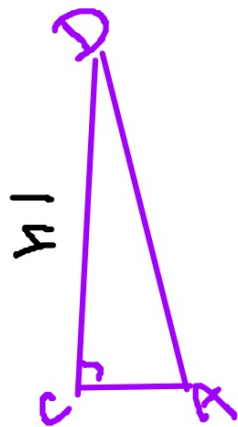
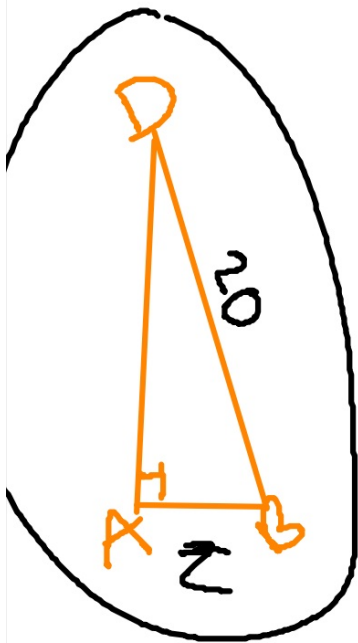


$$BA^2 = (BC)(BD)$$

$$z^2 = (6)(20)$$

$$z^2 = 120$$

$$z = \sqrt{120} = 10.95$$



$$\frac{20}{z} = \frac{z}{6}$$

$$z^2 = 20 \cdot 6$$

$$z^2 = 120$$

$$z = \sqrt{120} = 10.95$$