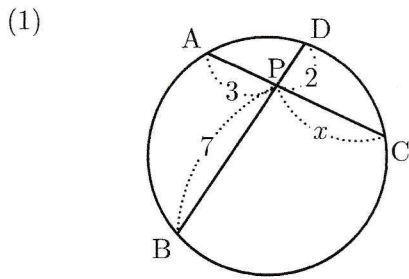
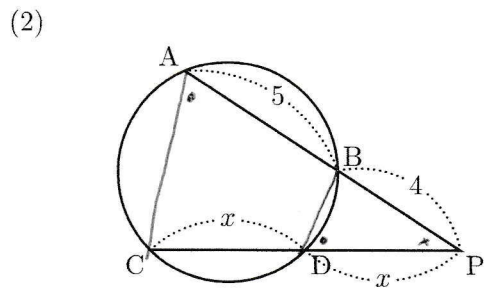


次の(1)~(6)の図で x の値を求めよ。



$$2 : x = 3 : 7$$

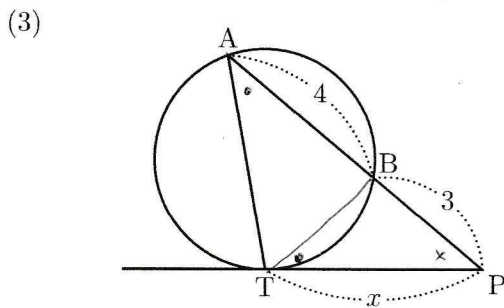
$$3x = 14 \quad x = \frac{14}{3}$$



$$4 : x = 2x : 9$$

$$2x^2 = 36$$

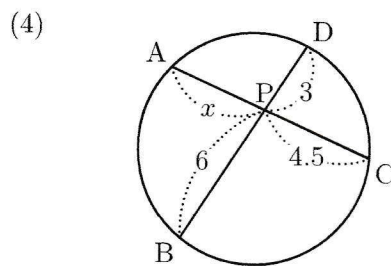
$$x^2 = 18 \quad x > 0 \quad x = 3\sqrt{2}$$



$$3 : x = x : 7$$

$$x^2 = 21$$

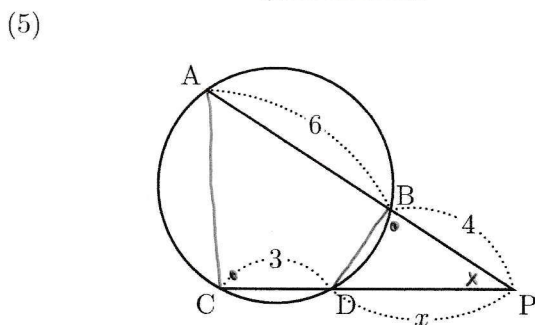
$$x > 0 \quad x = \sqrt{21}$$



$$x : 6 = 3 : 4.5$$

$$4.5x = 18$$

$$x = 4$$



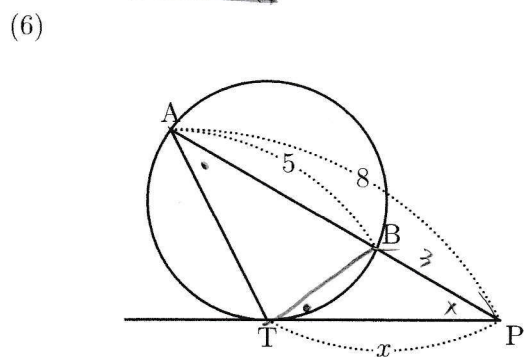
$$4 : x = (3+x) : 10$$

$$x(3+x) = 40$$

$$x^2 + 3x - 40 = 0$$

$$(x+8)(x-5) = 0$$

$$x > 0 \quad x = 5$$



$$3 : x = x : 8$$

$$x^2 = 24$$

$$x > 0 \quad x = 2\sqrt{6}$$