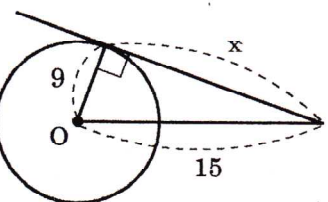
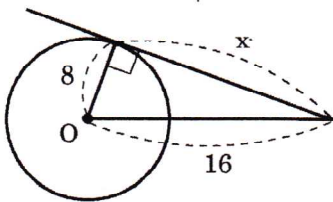


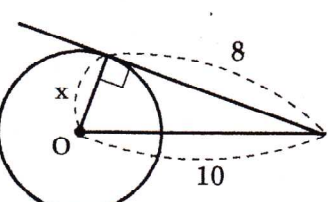
問題1 次のx, ABの長さを求めよ。

①  x

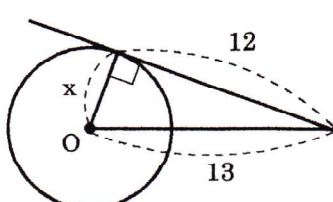
12

②  x

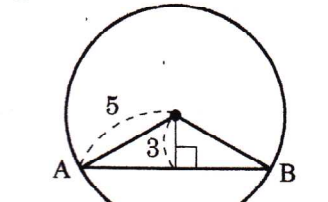
$8\sqrt{3}$

③  x

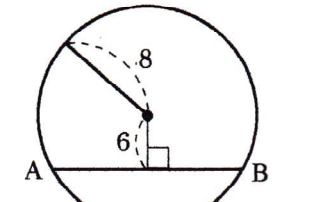
6

④  x

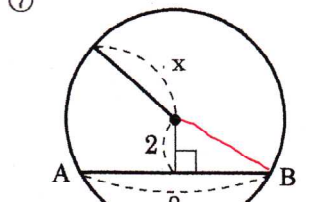
5

⑤  AB

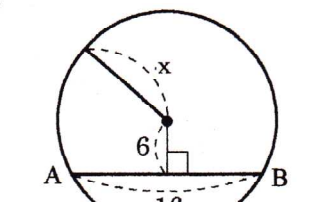
4

⑥  AB

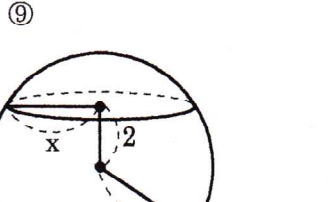
$4\sqrt{7}$

⑦  x

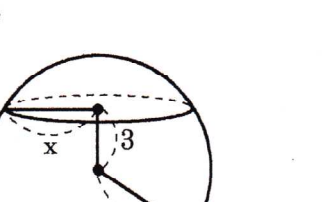
$2\sqrt{5}$

⑧  x

10

⑨  x

$2\sqrt{3}$

⑩  x

$3\sqrt{3}$

問題2 次の2点間の距離を求めなさい。

① (0, 0), (3, 9)

$3\sqrt{10}$

② (3, 1), (6, 5)

5

③ ~~(-1, -3), (3, 4)~~

$\sqrt{5}$

④ ~~(-6, -2), (-1, 3)~~

$5\sqrt{2}$

⑤ (1, 1), (5, 4)

5

⑥ (2, -6), (7, 6)

13

⑦ (10, -5), (-14, 2)

25

⑧ (5, -2), (-3, -4)

$2\sqrt{17}$

問題3 頂点の座標が次のような三角形は、どんな三角形か。

① A (8, 10), B (-2, 5), C (3, 0)

二等辺三角形

② A (6, 4), B (2, 2), C (5, -4)

直角三角形

③ A (0, 7), B (-6, -5), C (3, -2)

直角二等辺三角形

④ A (1, 3), B (-1, -3), C ($3\sqrt{3}$, $-\sqrt{3}$)

正三角形

⑤ A (1, 4), B (-2, -2), C (5, 2)

直角三角形

⑥ A (4, 9), B (0, 6), C (3, 2)

直角二等辺三角形