

### 1.SORU

$$p(x+1)+p(x)=x^2 - mx + m + 6$$
$$p(2)=?$$

### 2.SORU

$$2 \cdot \sqrt{9 - \frac{9}{x}} = \sqrt{4 - \frac{4}{x}} + \sqrt{1 - \frac{1}{x}}$$
$$x + \frac{23}{8} = ?$$

### 3.SORU

$$\sqrt{4x^2 - 12xy + 9y^2} + |2x - 3| = 0$$
$$x + y = ?$$

#### 4.SORU

$$x^2 \cdot y + y^2 \cdot x = 30$$

$$x \cdot y + x + y = 11$$

$$y > 2$$

$$3x^2 + 2y^2 = ?$$

#### 5.SORU

$$(a_n) = \frac{2^{2n}}{5^n}$$

$$\frac{3(a_1 + a_2 + \dots + a_{10})}{5} + \frac{12}{5} \cdot \left(\frac{4}{5}\right)^{10} = ?$$

#### 6.SORU

$$f(x+1) = f(x) + x + 1$$

$$f(1) = 1$$

$$(f \circ f)_{(2)} = ?$$

7.SORU

$$x^2 = 4^5 + 4^n + 2^{13}, \quad x \in \mathbb{Z}$$

$n = ?$

8.SORU

$17! + 1 < p \leq 17! + 17$   
 $p$  asal sayı ise kaç farklı  $p$  sayısı vardır ?

9.SORU

$$\left(1 - \frac{1}{1-i}\right)^{15} = ?$$

10.SORU

$$f(x) = \ln \left[ \sin^2 \left( x - \frac{12}{2} \right) \right] + e^{3 \left( x - \frac{12}{2} \right)}$$
$$f' \left( \frac{12}{2} \right) = ?$$

11.SORU

$$3^x = 125$$
$$5^y = 81$$
$$x \cdot y = ?$$

12.SORU

$$\log_4 \sqrt{8 \sqrt{4 \sqrt{2}}} = ?$$

13.SORU

$$\lim_{x \rightarrow 8} \frac{x-8}{\sqrt[3]{x}-2} = ?$$

14.SORU

$$\frac{18}{3.4} + \frac{18}{4.5} + \frac{18}{5.6} + \dots + \frac{18}{17.18} = ?$$