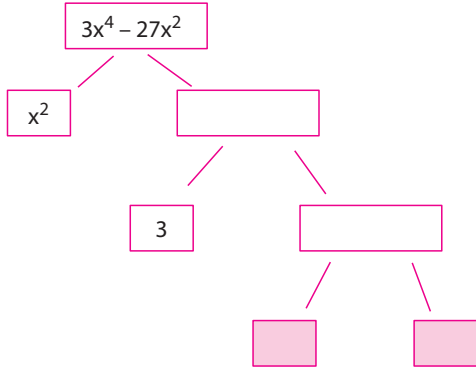


1. $x^3 + 4x^2 + 4x$ ifadesinin çarpanlarından biri aşağıdakilerden hangisi değildir?

- A) $(x + 2)^2$ B) $x + 2$
C) $x + 4$ D) x

2.



Yukarıda cebirsel bir ifadenin çarpanları çarpan ağacı yöntemiyle bulunmuştur.

Buna göre, boyalı alanlara aşağıdaki ifadelerden hangileri gelebilir?

- A) $(x - 1)$ ve $(x + 3)$ B) $(3x - 1)$ ve $(3x + 1)$
C) $(x - 3)$ ve $(x + 3)$ D) $(x^2 - 1)$ ve $(x^2 + 1)$

3. Aşağıdakilerden hangisinde verilen cebirsel ifadenin çarpanları yanlış verilmiştir?

- A) $x^2 - 2x + 1$ B) $4x^2 - y^2$
 $(x-1)$ $(x-1)$ $(2x-y)$ $(2x+y)$
C) $2x^2 + 4x$ D) $x^2 + 6x + 9$
 $(2x)$ $(x+4)$ $(x+3)$ $(x+3)$

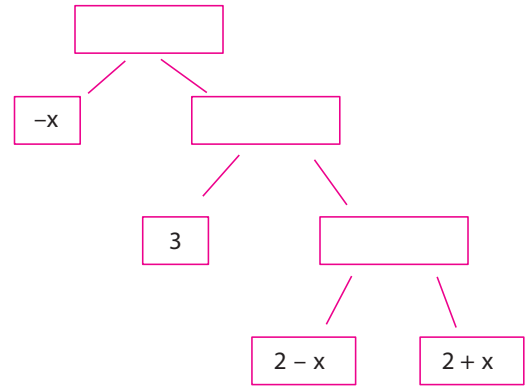
4. $x^7 + x^5 - 7x^3 - 7x$ ifadesinin çarpanlarından biri aşağıdakilerden hangisi olabilir?

- A) $x + 1$ B) $x^5 - 7$
C) $x - 1$ D) $x^2 - \sqrt{7}$

5. $x^2 - 2x + m$ ifadesinin çarpanlarından biri $(x - 1)$ olduğuna göre, m aşağıdakilerden hangisidir?

- A) -4 B) -2 C) -1 D) 1

6.

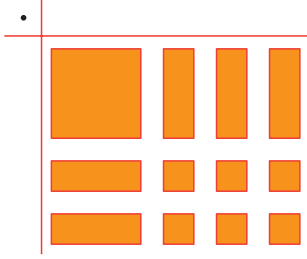


Şekilde çarpan ağacı yöntemiyle çarpanları verilen cebirsel ifade aşağıdakilerden hangisidir?

- A) $6x^2 - 2x$ B) $3x^3 - 12x$
C) $3x^3 + 12$ D) $6x^3 - 2x$

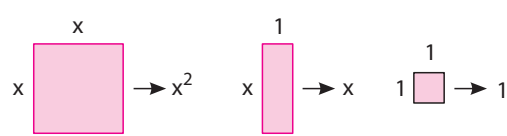
7.  $\rightarrow x^2$ $\rightarrow x$ ve $\rightarrow 1$

olmak üzere,

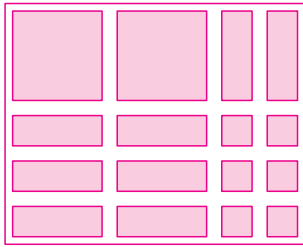


şeklinde verilen modellemenin matematiksel ifadesi aşağıdakilerden hangisidir?

- A) $(x + 2).(x + 2)$ B) $(x + 2).(x + 3)$
C) $(x + 3).(x + 3)$ D) $(x + 3).(x + 4)$

8.  $\rightarrow x^2$ $\rightarrow x$ $\rightarrow 1$

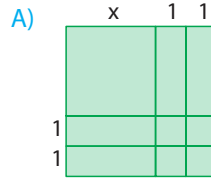
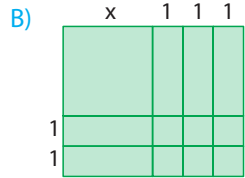
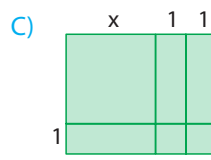
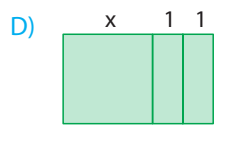
olmak üzere,



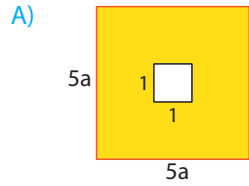
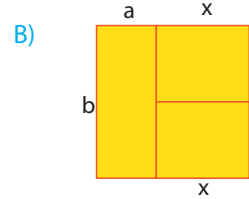
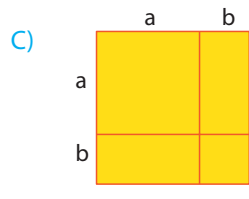
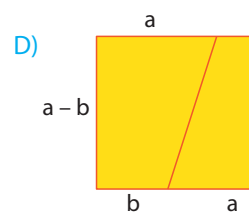
şeklinde verilen modelleme aşağıdaki ifadelerden hangisine eşittir?

- A) $(x + 3).(2x + 2) = 2x^2 + 8x + 6$
B) $(x + 3).(2x + 1) = 2x^2 + 7x + 3$
C) $(x + 3).(x + 3) = x^2 + 6x + 9$
D) $(x + 3).(2x + 3) = 2x^2 + 9x + 9$

9. Aşağıdakilerden hangisi $(x + 2).(x + 2)$ nin modelleme ile gösterimidir?

- A)  B) 
- C)  D) 

10. Aşağıdaki modellemelerden hangisinin yanındaki ifade doğru yazılmamıştır?

- A)  $(25a^2 - 1)$
- B)  $(a.b + 2xy)$
- C)  $(a^2 + 2ab + b^2)$
- D)  $(a^2 - 2ab + b^2)$