

Dividing Polynomials - Box Method

Divide the following by box method.

1) $\frac{7a^4 - 5a^3 - 10a^2 - 10a - 12}{a^2 - a - 2} =$

a^2			
$-a$			
-2			

2) $\frac{9d^4 + 6d^3 + 28d^2 + 9d + 20}{3d^2 + d + 4} =$

$3d^2$			
d			

3) $\frac{4q^4 - 12q^3 + 13q^2 - 8}{2q^2 - 5q + 3} =$

$2q^2$		
$-5q$		
3		

4) $\frac{15u - 18}{u} =$

5) $\frac{5n^4 + 17n^3 - 53n^2 - 3}{5n^2 - 3n - 6} =$

$5n^2$			
$-3n$			
-6			

6) $\frac{18r - 30}{r} =$

r^2			
$4r$			
-10			

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